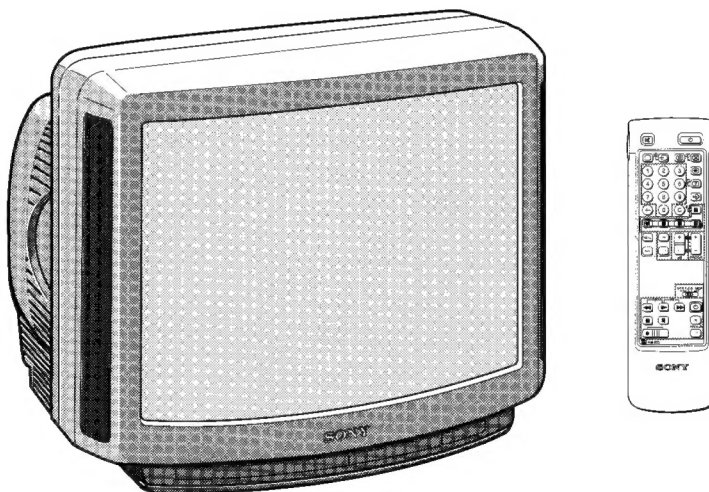


# SERVICE MANUAL

# BE-3B CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-X2581A	RM-833	Italian	SCC-G81K-A	KV-X2581K	RM-833	OIRT	SCC-G86G-A
KV-X2583B	RM-833	French	SCC-G85H-A	KV-X2582U	RM-833	UK	SCC-G87F-A
KV-X2581D	RM-833	AEP	SCC-G77K-A				
KV-X2583E	RM-833	Spanish	SCC-G82J-A				



TRINITRON® COLOR TV  
**SONY®**

ITEM	MODEL	Television System	Stereo System	Channel Coverage	Color System
AEP	B/G/H, D/K	GERMAN Stereo		PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Italian	B/G/H, D/K	GERMAN Stereo		ITALIA VHF:A-H2 (C) PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
French	B/G/H, L, I	GERMAN Stereo		L VHF:F02-F10 UHF:F21-F69 CABLE:B-Q S21-S44 B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) I UHF:B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish	B/G/H	GERMAN/NICAM Stereo		PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
UK	I	NICAM Stereo		UHF : B21-B69	PAL NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	GERMAN Stereo		B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

MODEL	Italian	French	AEP	Spanish	UK	OIRT
Power Consumption	99W	99W	99W	99W	137W	99W

## SPECIFICATIONS

Picture Tube Hi-Black Trinitron  
Approx. 63 cm (25 inches)  
(Approx. 59 cm picture measured diagonally)  
110° -deflection

### Input/Output Terminals

#### [REAR]

- Ⓐ-1 21-pin Euro connector (CENELEC standard)
  - inputs for audio and video signals
  - inputs for RGB
  - outputs of TV video and audio signals
- Ⓒ-2/Ⓔ 2 21-pin Euro connector
  - inputs for audio and video signals
  - inputs for S video
  - outputs for audio and video signals (selectable)

#### [FRONT]

- Ⓔ-3 Video input - phono jack
- Ⓔ-3 Audio inputs - phono jacks
- Ⓔ-3 S video input 4-pin DIN
- Ω Headphone jacks : stereo minijack
- Sound output 2 x 30W (Music power)
- Dimensions Approx. 593x502x512 mm
- Weight Approx. 35kg
- Supplied accessories RM-833 Remote Commander (1)  
IEC designation R6 battery (1)
- Other features NICAM, FASTEXT, TOPTXT.


#### [RM-833]

- Remote control system infrared control
- Power requirements 1.5V dc  
1 battery IEC designation R6 (size AA)
- Dimensions Approx. 65x225x21 mm (w/h/d)
- Weight Approx. 157g (Not including batteries)

Design and specifications are subject to change without notice.

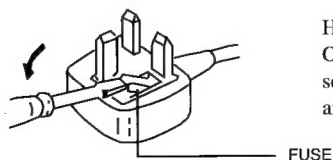
Model name Item	KV-X2581A	KV-X2583B	KV-X2581D	KV-X2583E	KV-X2581K	KV-X2582U
Pal Comb	OFF	ON	OFF	OFF	ON	OFF
PIP	OFF	OFF	OFF	OFF	OFF	OFF
RGB Priority	ON	ON	OFF	OFF	OFF	OFF
Woofer Box	OFF	OFF	OFF	OFF	OFF	OFF
Scart 1	ON	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON	ON	ON
Scart 4	OFF	OFF	OFF	OFF	OFF	OFF
Projector	OFF	OFF	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON	ON	ON
Norm B/G/H	ON	ON	ON	ON	ON	OFF
Norm I	OFF	ON	OFF	OFF	OFF	ON
Norm D/K	ON	OFF	ON	OFF	ON	OFF
Norm AUS	OFF	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	ON	OFF	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF	OFF
Toptext	ON	ON	ON	ON	ON	OFF
Nicam Stereo	OFF	ON	OFF	ON	OFF	ON
Language Preset	Italian	French	German	Spanish	OIRT	English

### WARNING ( KV-X2582U only )

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** capacity. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by **ASTA** to **BS 1362**, ie one that carries the  mark.

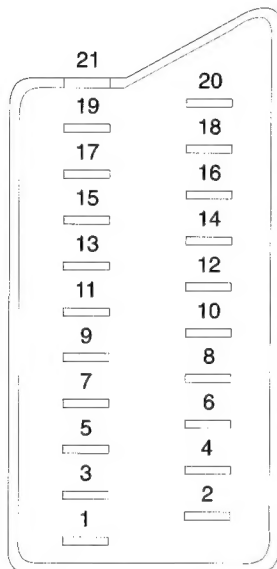
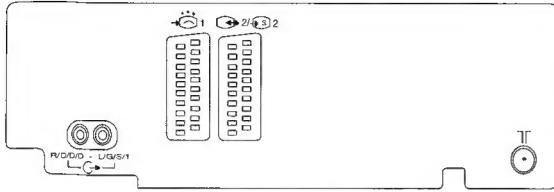
**IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR YOUR SOCKET OUTLETS IN YOUR HOME. IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET OUTLET.**

When an alternative type of plug is used it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.



How to replace the fuse.  
Open the fuse compartment with the screwdriver blade and replace the fuse.

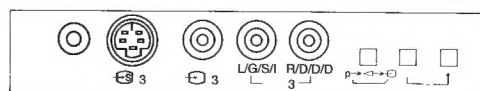
## 21 pin connector ( 1 2 4 )



Pin No.	1	2	4	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
2	○	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedance : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedance : More than 10kohm*
7	○	●	●	Blue input	0.7 ± 3dB, 75 ohms, positive
8	○	○	○	Function select (AV control)	High state (9.5 - 12V) : Part mode Low state (0 - 2V) : TV mode Input impedance : More than 10k ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 ± 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	—	—	Red input	0.7 ± 3dB, 75 ohms, positive
	—	○	○	(S signal) chroma input	0.3 ± 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance : 75ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V ± 3dB, 75ohms, positive sync: 0.3V (-3/+10dB)
20	○	—	—	Video input	1V ± 3dB, 75ohms, positive sync: 0.3V (-3/+10dB)
	—	○	○	Video input Y (S signal)	1V ± 3dB, 75ohms, positive sync: 0.3V (-3/+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) \* at 20Hz - 20kHz

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75 ohm , positive Sync. 0.3V -3/+10 dB
4	C (S signal) input	0.3V ± 3dB 75 ohm , positive Sync.



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### CAUTION

**SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.**

### WARNING !!

AN ISOLATING TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD, DUE TO A LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

### SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLIMENTS PUBLISHED BY SONY.


### ATTENTION

**APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.**

### ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

### ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ !!

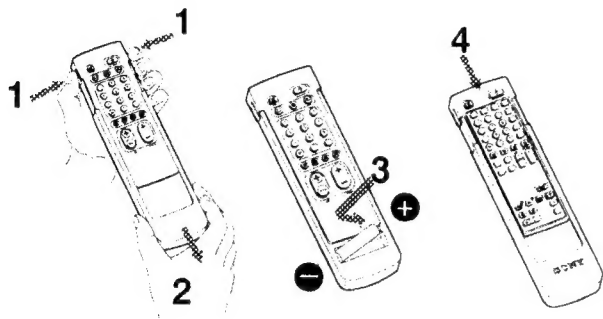
LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÉCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

## SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

### Getting Started

#### Inserting the Battery Into the Remote Commander



Remove the cover.

Check the correct polarity.

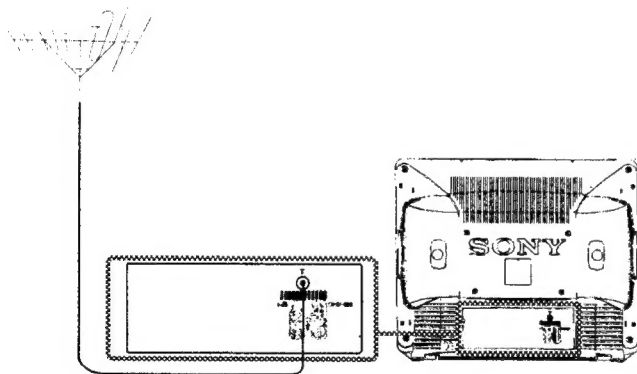
Refit the outside cover making sure that the Full Function side is visible.

#### About Battery Life

Under normal operation, a battery will last up to half a year.

#### Connecting the Aerial

Connect aerial to the  $\Pi$  socket at the rear of the TV.  
(cable not supplied)



#### Choosing a Language

(See inside of front cover and back cover)

**1** Depress  $\text{A}$  on the TV.  
The TV turns on. If the standby indicator  $\text{B}$  on the TV is lit, press  $\text{C}$  or any number button  $\text{D}$  on the Remote Commander.

**2** Press MENU  $\text{E}$  on the Remote Commander.  
The SELECT LANGUAGE screen appears.

MENU

**3** Press one of the colour buttons  $\text{F}$  on the Remote Commander to select a language (Press the white button  $\text{F}$  to display other language alternatives). The SELECT LANGUAGE screen clears and all subsequent menus appear in the chosen language.

#### SELECT LANGUAGE

- ◆ ENGLISH
- ◆ GERMAN
- ◆ FRENCH
- ◆ ITALIAN
- ◆ MORE

SELECT COL. BUTTON

**Note:** From the second time when you turn on the TV, the MENU screen appears instead of the SELECT LANGUAGE screen. Press the yellow button  $\text{F}$  then press the white button  $\text{F}$  to redisplay the SELECT LANGUAGE screen.

#### Tuning in to Channels

You can tune in up to 100 channels to programme positions either automatically or manually.

**auto tuning:** A single button press allows all receivable channels to be tuned. Use if you are unfamiliar with the channel numbers of stations.

**manual tuning:** Use if you are familiar with the channel numbers of stations.

Choose the more appropriate way for you.

#### Tuning in to Channels Automatically

There are two possibilities for auto tuning;

A. On the TV: hold down  $\text{G}$   $\text{H}$  on the front of the TV for 2 seconds

or

B. On the Remote Commander: as follows

**1** Press MENU  $\text{I}$ .

**2** Press the white button  $\text{J}$ .

**3** Hold down the red button  $\text{K}$  for 2 seconds,

**Note:** Press the green button  $\text{L}$  to cancel.

## Tuning in to Channels Manually

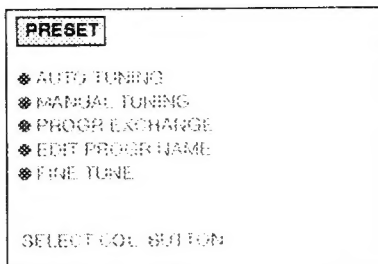
### 1 Press MENU [7].

The MENU screen appears.

MENU

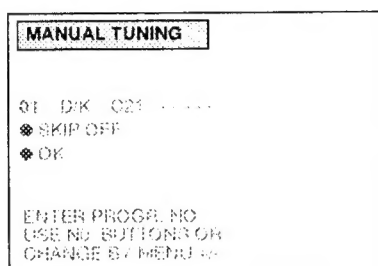
### 2 Press the white button [17] to select PRESET.

The PRESET screen appears.



### 3 Press the green button [17] to select MANUAL TUNING.

The MANUAL TUNING screen appears.

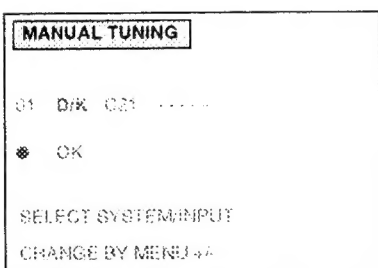


### 4 Press the number buttons [4] or MENU+/- [9] to select a programme position.

If you use the number buttons [4], enter a double-digit number. (e.g. for programme number 4, first press 0, then 4)

### 5 Press the green button [17].

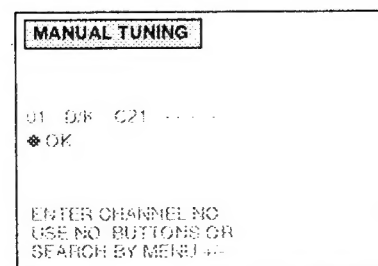
**Note:** Use MENU +/- [9] to select TV system. You can alternatively select input sources which may be assigned to programme positions. The display changes as follows:



B/G ↔ D/K ↔ AV1 ↔ RGB ↔ AV2 ↔ YC2 ↔ AV3 ↔ YC3

### 6 Press the green button [17].

**Note:** If a video input source is selected in step 5, this is now stored. Refer to step 4 to tune other programme positions.



### 7 When you have selected B/G, press the red button [17] to select C (regular channel) or S (cable channel).

### 8 Press the number buttons [4] or MENU+/- [9] to select the channel number.

If you use the number buttons [4], enter a double-digit number. (e.g. for channel 23, first press 2, then 3)

### 9 Press the green button [17] to store.

**Note:** If you want to preset other channels, repeat steps 4 to 9.

### 10 Press MENU [7] twice to return to the normal screen.

**Note:** You can skip unused programme positions when selecting programmes with the PROGR +/- buttons [18]. Press the red button [17] to skip in step 4. However, the skipped programmes may still be called up when you use the number buttons.

## Basic TV Operations

### Turning the TV on and off

#### Turning on

Depress ⓐ [A] on the TV.

#### Turning off temporarily

Press ⓐ [10] on the Remote Commander.

The TV enters standby mode and the standby indicator ⓑ [B] on the front of the TV lights up.

#### Turning on again

Press ⓐ [3], PROGR +/- [18], or one of the number buttons [4] on the Remote Commander.

#### Turning off completely

Depress ⓐ [A] on the TV.

**Note:** It is recommended to use ⓐ [A] to turn off the TV. This could help you save energy.

### Selecting TV Programmes

Press PROGR +/- [18] or press number buttons [4].

#### To select a double-digit number

Press +/- [5], then the number buttons [4].

### Adjusting the Volume

Press ⓐ [+/-] [19].

### Muting the Sound

Press ⓐ [1].

To resume normal sound, press ⓐ [1] again.

### Displaying the On-screen Indications

Press ⓐ [14] once to display the on-screen indications. Press again to make the indications disappear.

**Note:** If NICAM is transmitted regardless of whether it is stereo or mono, the two speaker symbol automatically appears on the screen for several seconds.

### Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can adjust or select the functions as follows:

Press ⓐ [+/-] [D] to adjust the volume.

Press P +/- [C] to select programme numbers or to turn the TV on from the standby mode.











Press ⓐ [F] to select the input source.

Press ⓐ [E] to preset channels automatically.

# Advanced TV Operations

## Operating the Menu System








You can adjust picture and sound, preset channels to programme positions and utilise other convenient features by using the following menu system.

Press;	to;
<b>1</b> MENU  	enter the MENU screen
<b>2</b> a colour button  	select an item you want to change (The selected item is marked by a triangle.)
<b>3</b> MENU +/-   	change (or adjust) the contents of the item
<b>4</b> MENU 	return to the MENU screen
<b>5</b> MENU  again	return to the normal screen
Press MENU  once or twice whenever you want to return to the normal screen.	

**Note:** When selecting menus, the picture becomes darker. If, however, an item in the PICTURE ADJUSTMENT menu is selected, normal level of TV picture is restored to allow the best adjustment.

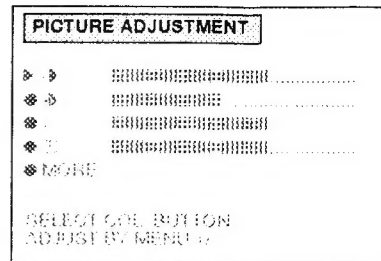
## Adjusting the Picture and Sound





Although picture and sound are adjusted at the factory you can adjust them to suit your own taste.

- 1** Press MENU . The MENU screen appears. 
- 2** Press the red button  to select PICTURE or the green button  to select SOUND.
- 3** Press the respective colour button  to select an item.
- 4** Press MENU +/-  to adjust.
- 5** Press MENU  twice or wait until the menu displays disappear automatically to return to the normal screen.

## PICTURE ADJUSTMENT

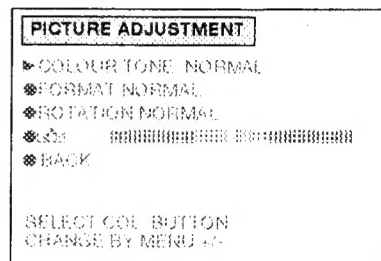
(First Page)







Press colour button	Effect
<b>Red:</b> For Picture 	Less — — More
<b>Green:</b> For Colour 	Less — — More
<b>Yellow:</b> For Brightness 	Darker — — Brighter
<b>Blue:</b> For Sharpness 	Softer — — Sharper
<b>White:</b>	Next page of PICTURE ADJUSTMENT

## PICTURE ADJUSTMENT

(Second Page)



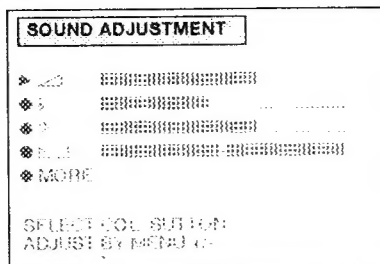
Press colour button	Effect
<b>Red:</b> For Colour Tone	Normal -> Warm (reddish colour tone) -> Cool (blueish colour tone)
<b>Green:</b> For Format	Normal: Normal setting 16:9 Wide screen effect
<b>Yellow:</b> For Picture Rotation (only for KV-X2981K)	Normal: Normal setting -5~+5: Adjusts the picture slant caused by the earth magnetism
<b>Blue:</b> For Hue control  (only for NTSC video signals)	Reddish — — Greenish
<b>White:</b>	Back to first page of PICTURE ADJUSTMENT

**Note:** Press    on the Remote Commander to reset to the factory preset levels for picture and sound.



## SOUND ADJUSTMENT

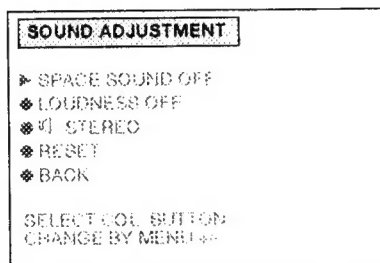
(First Page)



Press colour button	Effect
<b>Red:</b> For Volume	Less — — More
<b>Green:</b> For Treble	Less — — More
<b>Yellow:</b> For Bass	Less — — More
<b>Blue:</b> For Balance	More left - more right
<b>White:</b>	Next page of SOUND ADJUSTMENT

## SOUND ADJUSTMENT

(Second Page)



Press colour button	Effect
<b>Red:</b> For Space Sound	OFF: normal sound ON: for a special acoustic sound effect
<b>Green:</b> For LOUDNESS	OFF: normal sounds ON: when listening to music broadcast
<b>Yellow:</b> For Stereo:	Stereo -> Mono A (left channel) -> Mono B (right channel) -> Mono
<b>Blue:</b> For Reset:	Resets to the factory preset levels for picture and sound
<b>White:</b>	Back to first page of SOUND ADJUSTMENT

**Note:** Press [8] on the Remote Commander to reset to the factory preset levels for picture and sound.

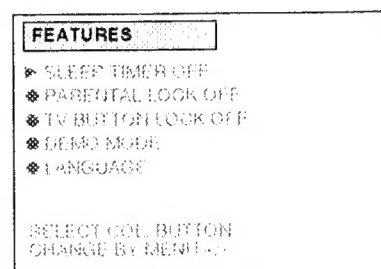
## Using Special Features

With your TV you can utilise special features such as Parental Lock or Sleep Timer.

- 1 Press MENU [7].  
The MENU screen appears.
- 2 Press the yellow button [17] to select FEATURES.
- 3 Press the respective colour button [17] to select an item.
- 4 Press MENU +/- [9] to change.
- 5 Press MENU [7] twice or wait until the menu displays disappear automatically to return to the normal screen.



## FEATURES



Press colour button	Effect
<b>Red:</b> For Sleep Timer  (Automatic switch off function)	OFF -> 0:30 -> 1:00 -> 1:30 -> 2:00 (hours) After the selected time the TV set switches itself automatically into standby mode.
<b>Green:</b> For Parental Lock (For preventing children from watching programmes which you consider unsuitable)	OFF: Normal setting ON: The TV-channel you are watching is now blocked. In this way you can prevent undesirable broadcasts from appearing on the screen.
<b>Yellow:</b> For TV Button Lock	OFF: Normal setting ON: The buttons on the TV do not function anymore. (The Remote Commander still operates)
<b>Blue:</b> For Demo Mode	ON: A sequence of menu pictures is displayed. Press any button on the Remote Commander to stop the function.
<b>White:</b> For Language	The SELECT LANGUAGE screen appears.

## Advanced Presetting Functions

### Exchanging Programme Positions

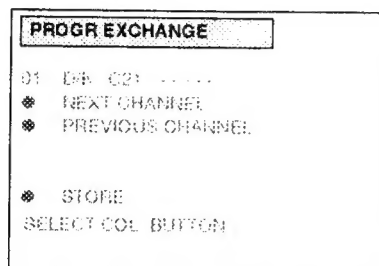
You can exchange the programme positions to a preferred order (example: exchange programme 09 (channel C21) with programme 15 (channel C24)).

- 1 Press MENU [7].  
The MENU screen appears.



- 2 Press the white button [17].  
The PRESET screen appears.

- 3 Press the yellow button [17].  
The PROGR EXCHANGE screen appears.



- 4 Press the white button [17] repeatedly until the desired programme number (09) appears.
- 5 Press the red or the green button [17] repeatedly until the desired channel number (C24) appears.
- 6 Press the white button [17] to store.  
Now the exchange has been completed. Channel C24 is tuned in to programme 09 and channel C21 is tuned in to programme 15.
- 7 Press MENU [7] twice to return to the normal screen.

### Editing Programme Names

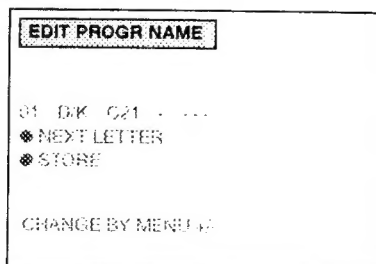
You can edit the programme names up to five letters.

- 1 Press MENU [7].  
The MENU screen appears.



- 2 Press the white button [17].  
The PRESET screen appears.

- 3 Press the blue button [17].  
The EDIT PROGR NAME screen appears.  
The first character flashes.



- 4 Press MENU+/- [9] to edit the first letter.  
The first letter changes as follows;

A ↔ B ↔ ... ↔ Z ↔ 0 ↔ 1 ↔ ... ↔ 9 ↔ "-" (space)

- 5 Press the red button [17] to move to the next letter.

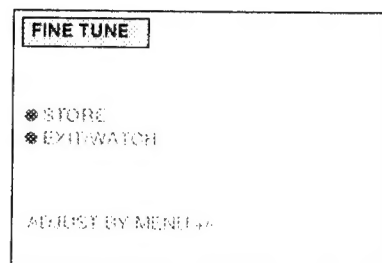
- 6 Repeat steps 4 to 5, until the fifth letter is chosen.

- 7 Press the green button [17].  
The programme name is stored, and the normal screen appears. To edit another programme name, repeat steps 1 to 7.

### Fine Tuning

You can adjust the receiving condition by the FINE TUNE function.

- 1 Press MENU [7].  
The MENU screen appears.
- 2 Press the white button [17].  
The PRESET screen appears.
- 3 Press the white button [17] again.  
The FINE TUNE screen appears.



- 4 Press MENU+/- [9] to adjust the receiving condition.
- 5 Press the red button [17] to store the adjustment, or press the green button [17] not to store.  
Then the normal screen appears. If you have pressed the green button, the fine tuned condition is cancelled once you choose another programme.

### Tuning in to a Channel Temporarily

You can tune in to a channel temporarily, even when it has not been preset.

- 1 Press C [16] on the Remote Commander. For cable channels, press C [16] twice.  
The indication "C" ("S" for cable channels) appears on the screen.
- 2 Enter a double-digit channel number using the number buttons (e.g. for channel 23, first press 2, then 3).  
The channel appears.  
However, the channel is not stored.

## Teletext Operation

TV stations broadcast teletext programmes via the TV channels. For basic operation of teletext, use the simple side of the Remote Commander. For the advanced features of teletext, use the buttons indicated in green on the full function side of the Remote Commander.

### Basic Teletext Operation

Switching Teletext on and off

- 1 Select the channel which carries the teletext service you wish to view.
- 2 Press **[11]** to display Teletext.  
If no teletext signal is broadcast, the indication P100 is displayed on a black screen.



- 3 Input three digits for the page number using the number buttons **[4]**.  
The numbers are displayed on the screen and the requested page appears in a few seconds.  
**Note:** If you make a mistake, type in any three digits, then re-enter the correct page number.

- 4 Press **[3]** once or **[11]** twice to return to the TV mode.

**Note:** To change the teletext channels. First press **[3]** to return to the TV mode, then repeat steps 1 to 3.

**Note:** If the signal of a TV channel is weak, teletext errors may occur.

### Advanced Teletext Operation

#### Using Fastext

With Fastext you can access pages with one button press. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons **[6]** on the Remote Commander.

Press the corresponding colour button **[6]** on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed in a few seconds.

#### Requesting the Index page

Press **[17]**. The Index page appears.

#### Accessing the next or preceding page

Press **[18]** (PAGE +) or **[19]** (PAGE -). The next or the preceding page appears on the screen.

#### Superimposing the teletext display on the TV picture

Press **[11]** once if you are in text mode or press **[11]** twice if in TV mode.

To return to the normal teletext display press **[11]** twice.



#### Preventing a teletext page from being updated or changed

Press **[2]** (HOLD). The HOLD symbol (**[2]**) appears on the screen and the selected subpage is held until you press **[11]** to cancel.

### Enlarging the teletext display

Press **[13]** once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.



### Revealing concealed information (e.g. answers to a quiz)

Press **[14]** (REVEAL). The information is revealed. Press **[14]** again to conceal the information.

### Watching TV while waiting for a requested page to be displayed

- 1 Request a new teletext page.

- 2 Press **[12]** (TEXT CL).  
The TV programme is displayed and the symbol **[12]** is displayed at the top of the page.  
**Note:** When the requested page is available the page number is displayed at the top of the screen.

- 3 Press **[11]** to view the page.

**Note:** To cancel the request

Display the teletext page, then press **[11]**. The request is now cancelled. Press **[3]** to resume TV mode.

### Using the Favourite Page system

You can store up to four of your favourite teletext pages per programme with the help of the Favourite page system. In this way you have quick access to the pages you watch frequently.

#### Storing the Favourite Pages

- 1 Select the page you would like to store using the number buttons **[4]**.
- 2 Press **[15]** twice.  
The colour prompts at the bottom of the screen flash.
- 3 Press any of the colour buttons **[6]** on the Remote Commander to store the selected page.  
The page is now stored on this button.

Repeat steps 1 to 3 for the other 3 pages available.

#### Displaying the Favourite pages

- 1 Press **[15]**.
- 2 Press the colour button **[6]** corresponding to the colour prompt onto which the desired page is stored.  
The page is requested. (It may take a few seconds to be received).

**Note:** Step 1 must be taken before every favourite page selection, otherwise the normal Fastext facility operates.

### Using the Time Function in the TV mode

Press **[12]** to request the time. Press again to cancel the request.

**Note:** This function is available only when teletext is broadcast.

## Connecting Other Equipment

You can connect optional audio/video equipment to this TV such as VCRs, video disc players, cameras or stereo systems.

Connector	Acceptable input signal	Available output signal
1 <b>M</b> (AV1/RGB)	Audio/video and RGB signal	Audio/video signal from TV Tuner
2 /  2 <b>L</b> (AV2) (YC2)	Audio/video and S video signal	Audio/video signal from selected source
3 /  3 <b>G H</b> (AV3)	Audio/video signal and	No outputs
3 /  3 <b>G I</b> (YC3)	Audio/S video signal	

To watch a video input picture, press **2** until the desired video input appears.  
To return to the normal TV picture, press **2** repeatedly or press **3**.

**Note:** If you have a decoder, connect it to 1 **M**.

### Connecting a VCR Using the TV Aerial Terminal

Connect the aerial output of the VCR to the aerial terminal **K** of the TV. It is recommended to tune in the VCR signal to programme number "0". For details, see "Tuning in to Channels Manually" on page 6.

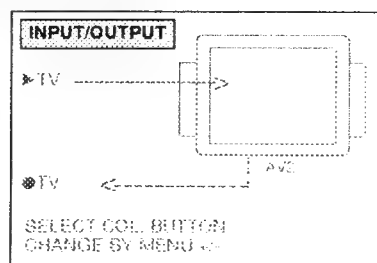
**Note:** S video input (Y/C input) **I L**  
Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals.  
Separating the Y and C signals prevents them from inter-

## Checking and Selecting the Input and Output Sources Using the Menu

You can display a menu screen to see which input and output source are selected. You can also change the selection using this menu.

### Checking the Input and Output Sources

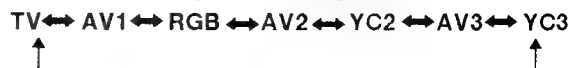
- 1 Press **MENU** **7**.  
The MENU screen appears.
- 2 Press the blue button **17** to select INPUT/OUTPUT.  
The INPUT/OUTPUT screen appears.



### Selecting an Input Signal

Press the red button **17** to select INPUT. Press **MENU** +/- **9** to select the desired input source.

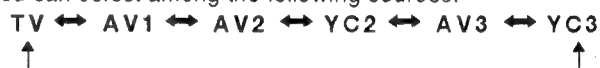
You can select among the following sources:



### Selecting an Output Signal

The 2 / 2 connector **L** outputs the source input from the other connectors. Press the green button **17** to select OUTPUT. Press **MENU** +/- **9** to select the desired output source.

You can select among the following sources:



**Note:** Press **MENU** **7** twice or wait until the menu displays disappear automatically to return to the normal screen.

## Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most Sony remote-controlled video equipment such as: Beta, 8mm or VHS VCRs or video disc players.

### Tuning the Remote Commander to the equipment

- 1 Set the VTR 1/2/3 MDP selector **20** according to the equipment you want to control:  
VTR 1: Beta VCR  
VTR 2: 8mm VCR  
VTR 3: VHS VCR  
MDP: Video Disc Player

- 2 Use the buttons **21** to operate the additional equipment.

**Note:** If your video equipment is furnished with a COMMAND MODE selector: set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander.

**Note:** If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

**Note:** When you use the (record) button, make sure to press this button and the one to the right of it simultaneously.

## Using Headphones

You can utilise headphones. Connect them to the headphone jack **J**, then the sound from the speakers goes off.

**Note:** You can't control the sound adjustment except for volume.

## For your information

### Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

#### No picture (screen is dark), no sound

- Plug the TV in.
- Press **A** on the TV. (If the standby indicator **B** is lit, press **3** or any number button **4** on the Remote Commander.)
- Check if the selected video source is on.
- Turn the TV off for three or four seconds and then turn it on again using **A**.

#### Poor or no picture (screen is dark), but good sound

- Press MENU **7** to enter the MENU screen, and press the red button **17**, then adjust **1** and **2**.

#### Good picture but no sound

- Press **19**.
- If **1** is displayed on the screen, press **1**.

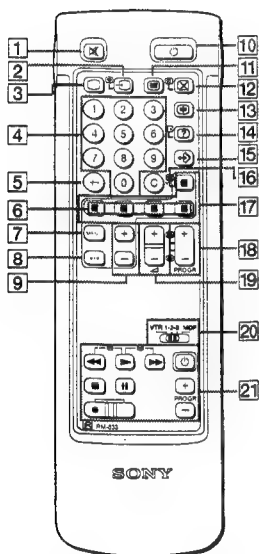
#### No colour for colour programmes

- Press MENU **7** to enter the MENU screen, and press the red button **17**, then adjust **3**.

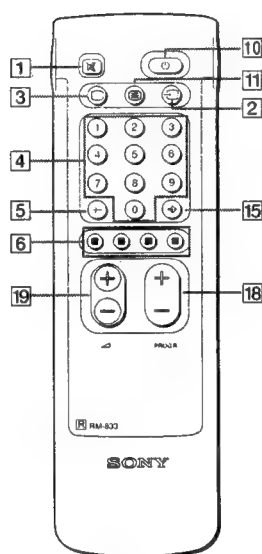
#### Remote Commander does not function

- Replace the battery.

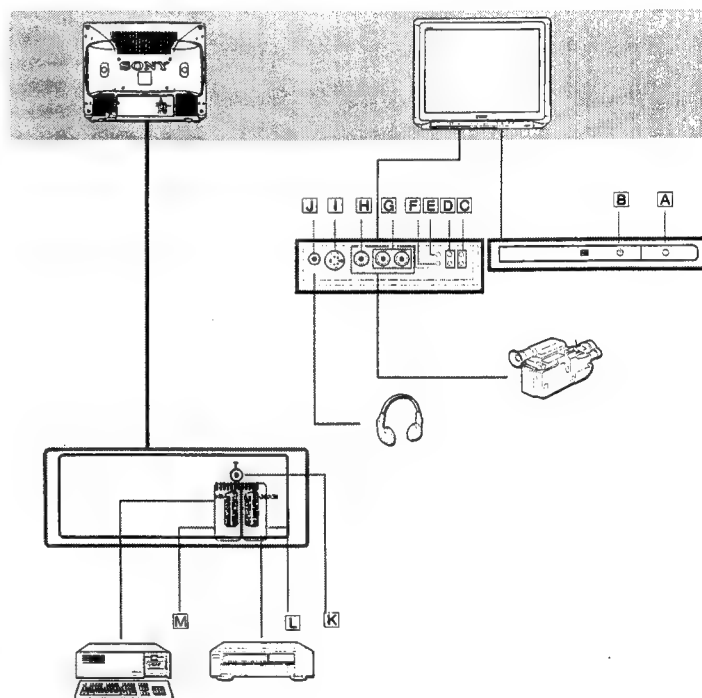
If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.



Full-Function Side  
Полно функциональная  
Teljes Funkciós Oldal  
Strana se všemi Funkcemi  
Strona Funkcji Złożonych  
Страна с Всички Функции

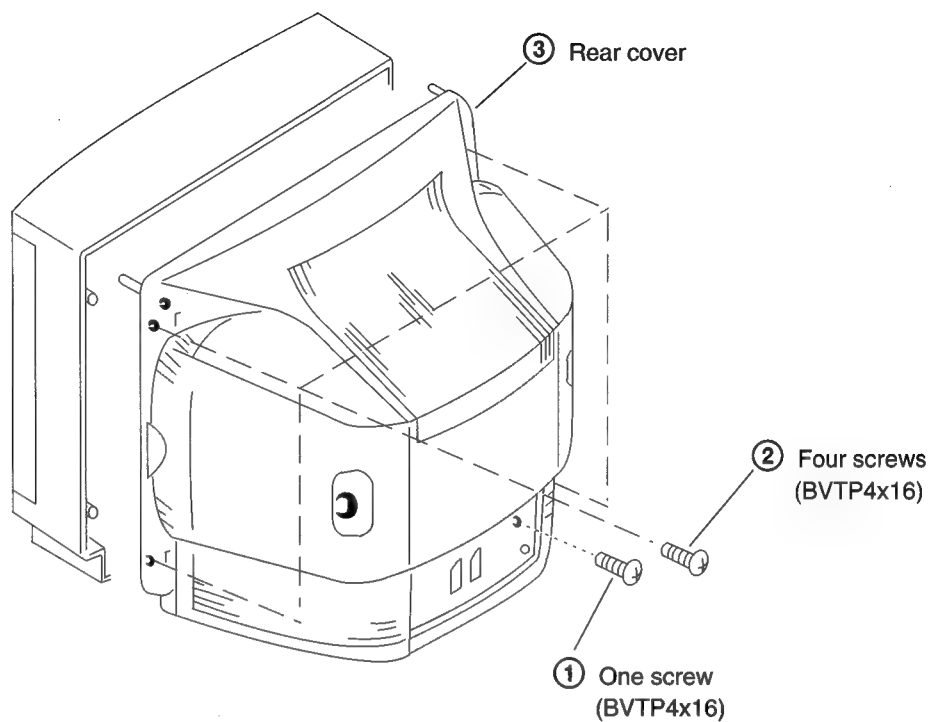


Simple Side  
Простая Сторона  
Egyszerű Oldal  
Jednoduchá Strana  
Strona funkcji podstawowych  
Страна с Опростени Функции

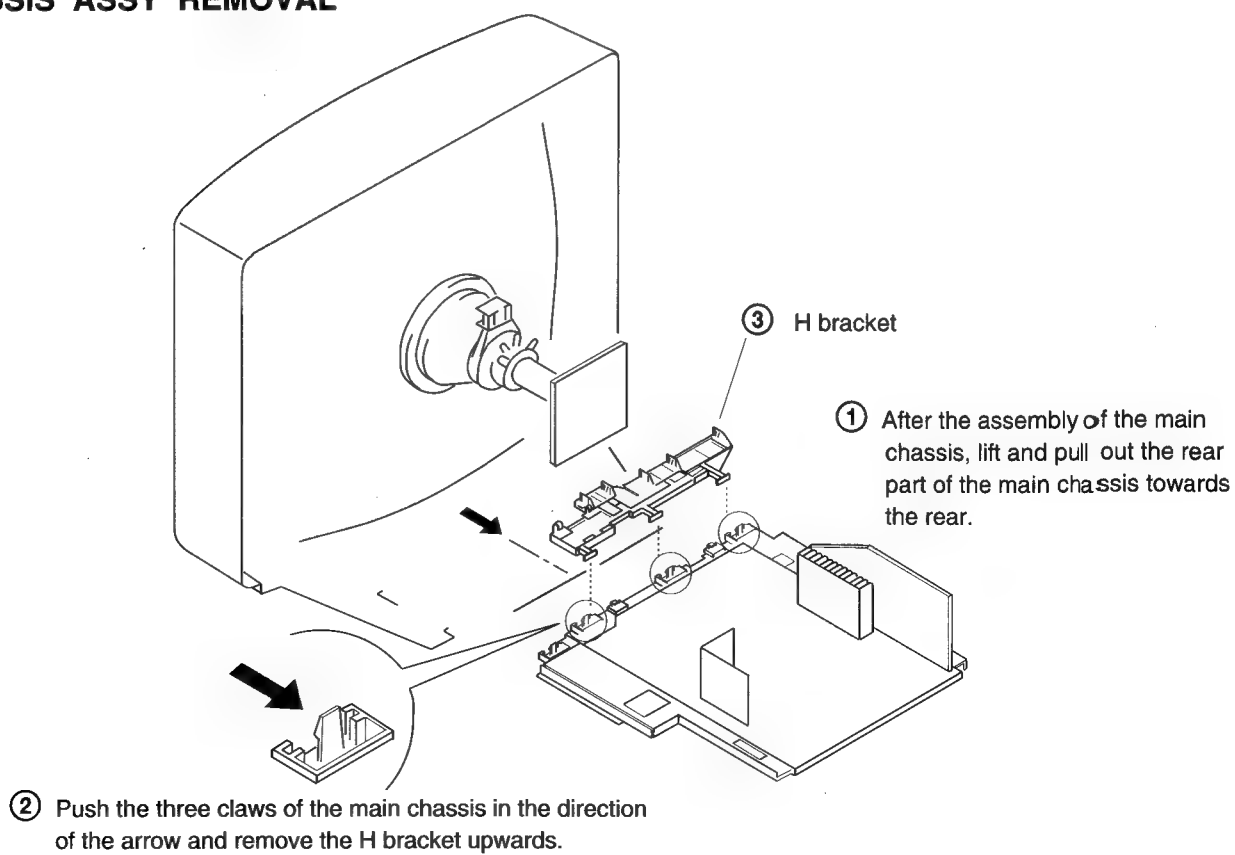


## SECTION 2 DISASSEMBLY

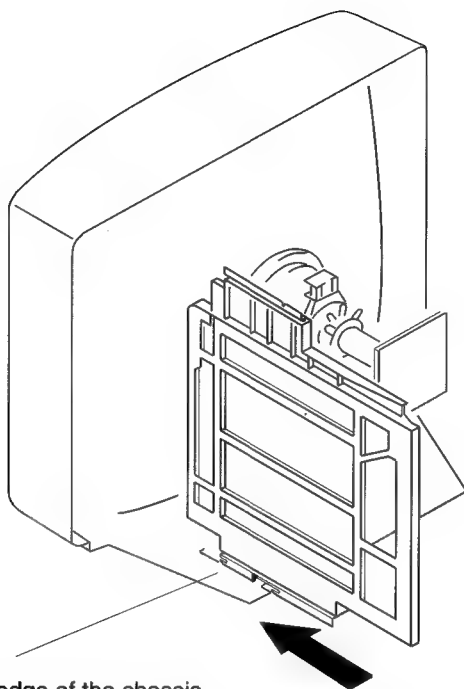
### 2-1. REAR COVER REMOVAL



### 2-2. CHASSIS ASSY REMOVAL

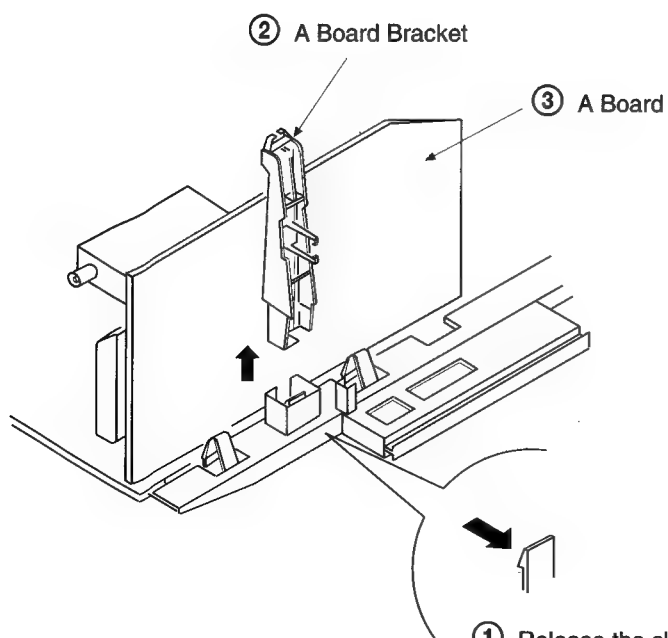


## 2-3. SERVICE POSITION



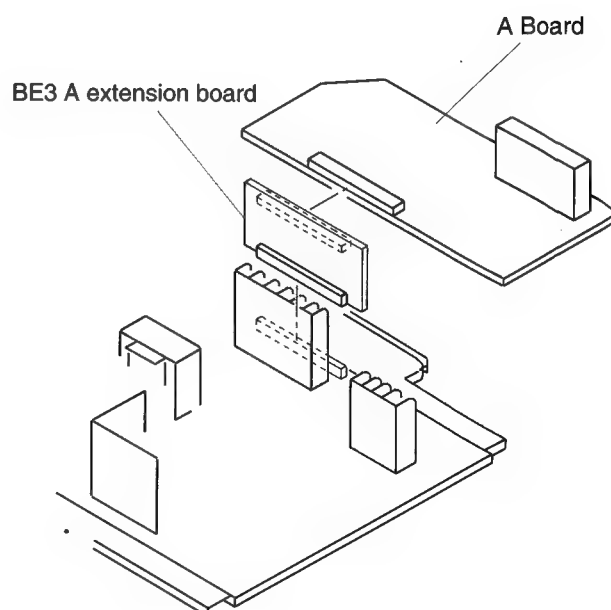
Locate the 2 slots on the edge of the chassis bracket in the locating holes and slide in the direction of the arrow

## 2-4. A BOARD REMOVAL

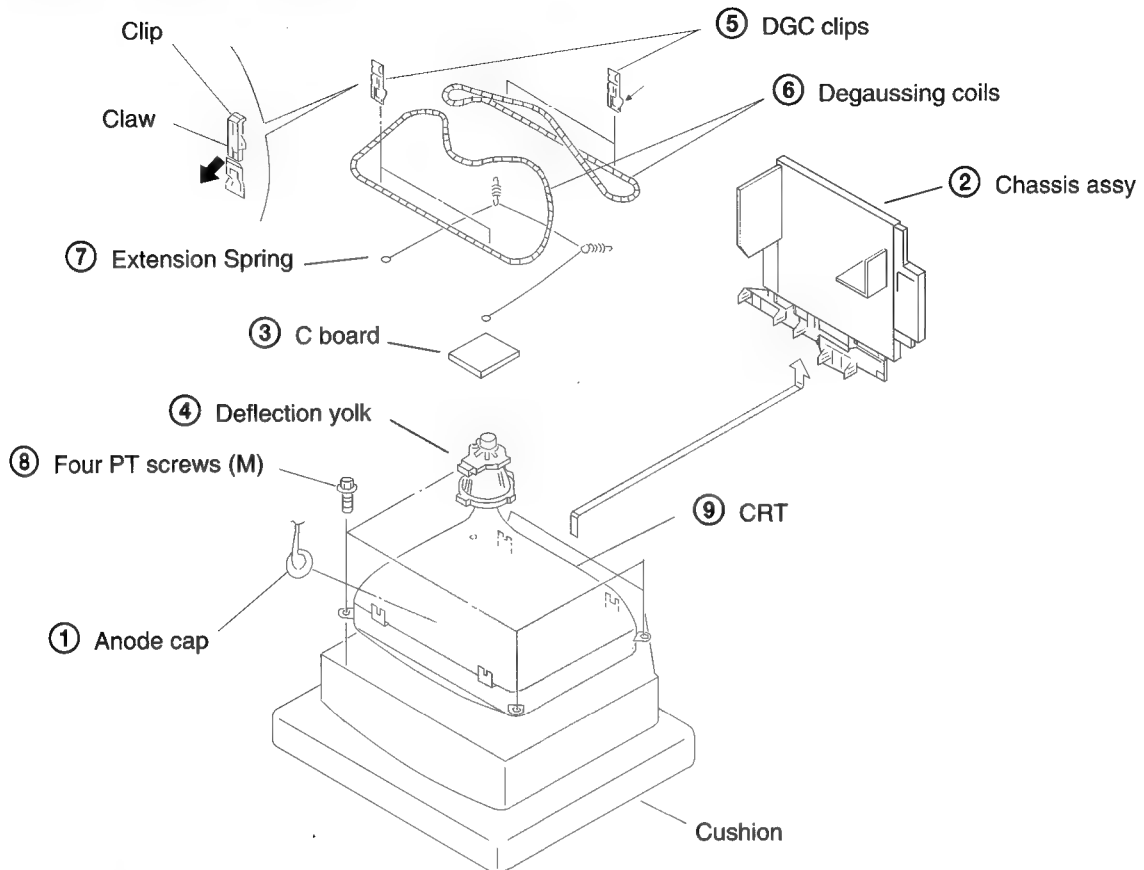


① Release the clip by pressing in the direction of the arrow, shown and lift out the A board bracket

## 2-5. EXTENSION BOARD



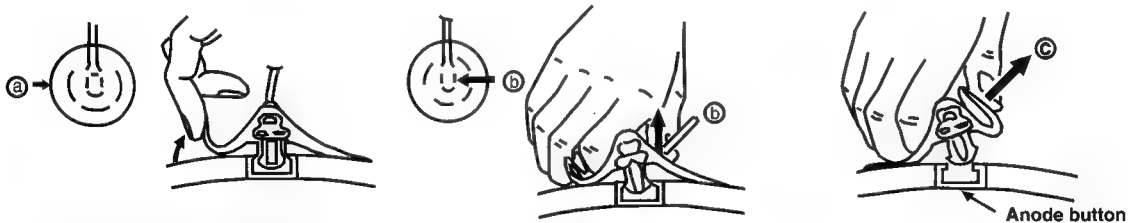
## 2-6. PICTURE TUBE REMOVAL



### • REMOVAL OF ANODE-CAP

**Note:** Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

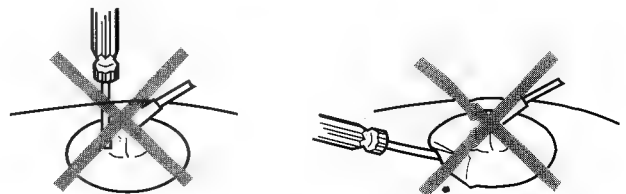
#### \* REMOVING PROCEDURES.



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②
- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ③

#### • HOW TO HANDLE AN ANODE-CAP

- ① Don't damage the surface of anode-cap with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !  
A metal fitting called as shatter-hook terminal is built into the rubber.
- ③ Don't turn the foot of rubber over hardly !  
The shatter-hook terminal will stick out or damage the rubber.





## SECTION 3

### SET - UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to these settings :

● Contrast ..... 80% (or remote control normal)  
 ✨ Brightness ..... 50%

- Carry out the following adjustments in this order :

1. Beam landing
2. Convergence
3. Focus
4. White balance

**Note:** Testing equipment required.

1. Color bar/pattern generator
2. Degausser
3. DC power supply
4. Digital multimeter
5. Oscilloscope

#### Preparation:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

#### 3-1. BEAM LANDING

1. Input the white signal with the pattern generator.  
 CONTRAST } normal  
 BRIGHTNESS }
2. Set the pattern generator raster signal to red.
3. Move the deflection yoke forward and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig. 3-1 - 3-3)
4. Move the deflection yoke forward and adjust so that the entire screen becomes red. (See Fig. 3-1)
5. Switch the raster signal to blue, then to green and verify the condition.
6. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
7. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig. 3-4)

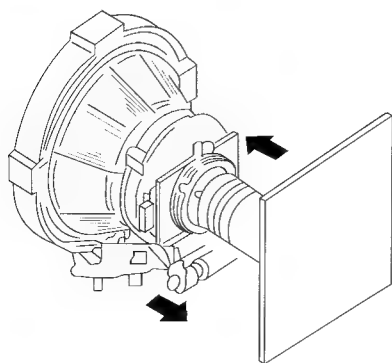


Fig. 3-1

Fig. 3-2

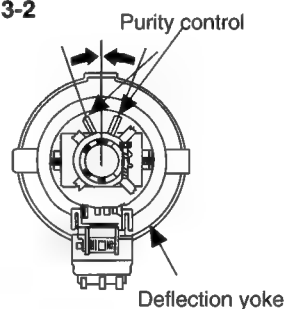


Fig. 3-3

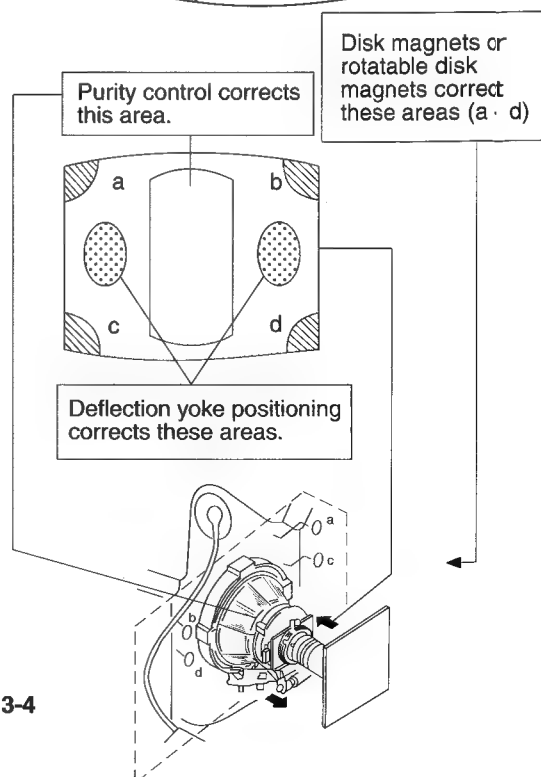
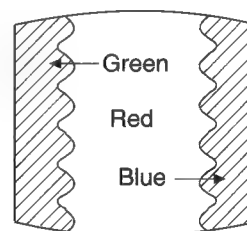


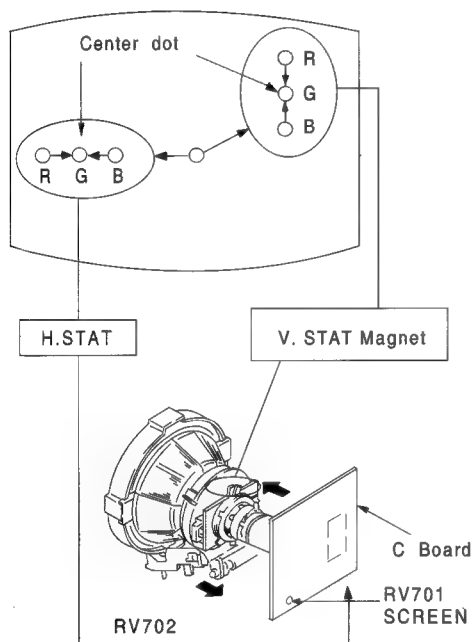
Fig. 3-4

### 3-2. CONVERGENCE

#### Preparation:

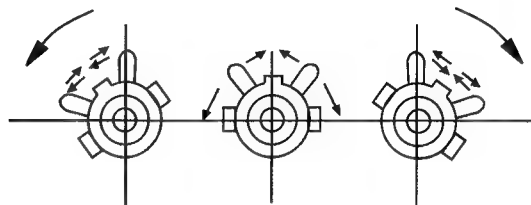
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide a dot pattern.

#### (1) Horizontal and vertical static convergence

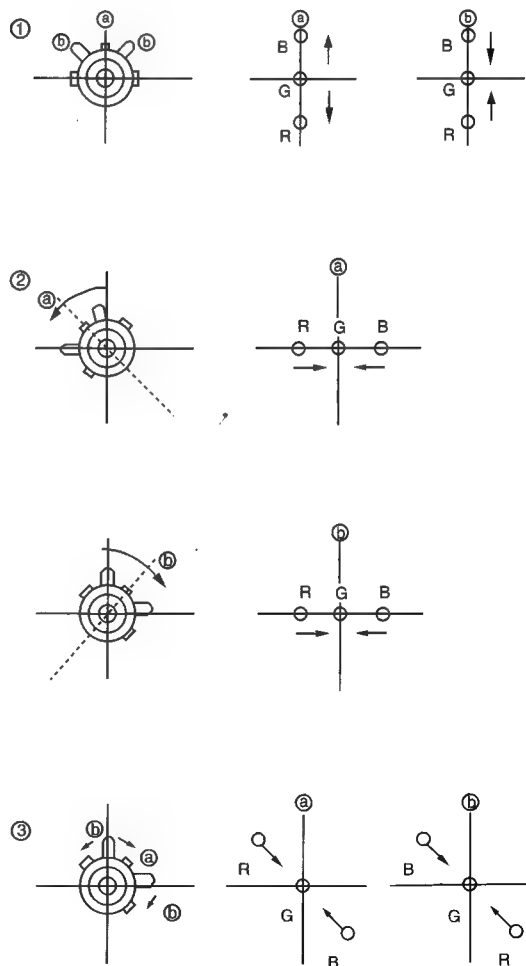


1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below.  
(In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

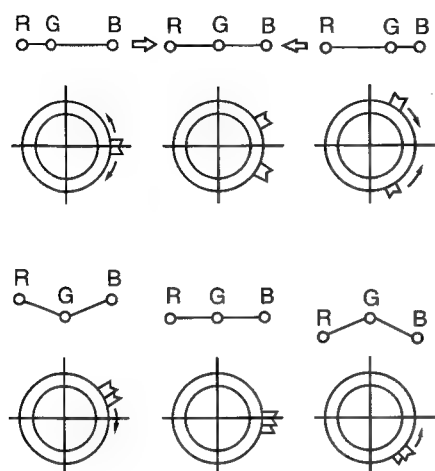
- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.



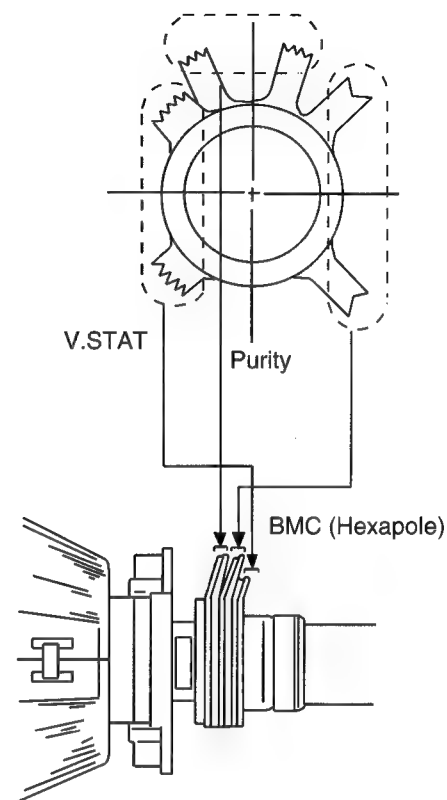
4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.



- Operation of BMC (Hexapole) Magnet



- The respective dot position resulting from moving each magnet interact, so be sure to perform adjustment while tracking.  
Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of the screen (by moving the dots in the horizontal direction).

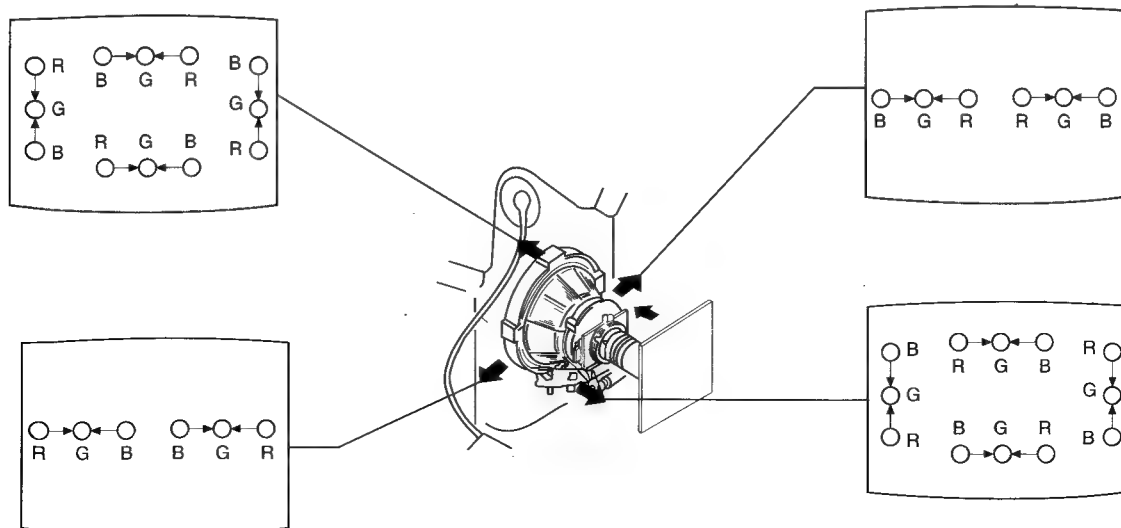


## (2) Dynamic convergence adjustment.

### Preparation:

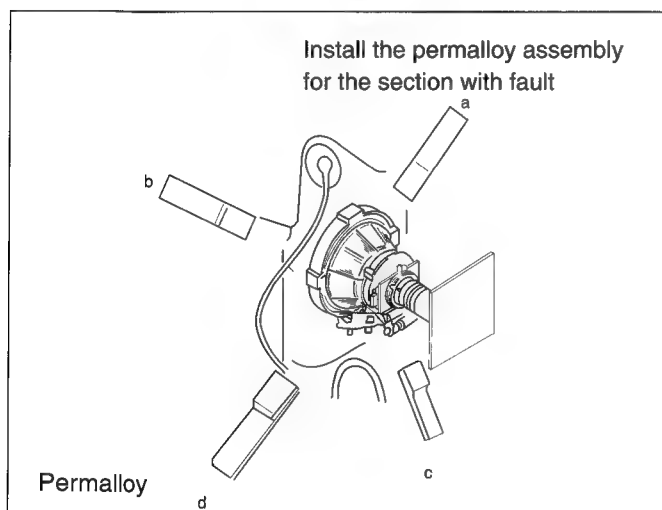
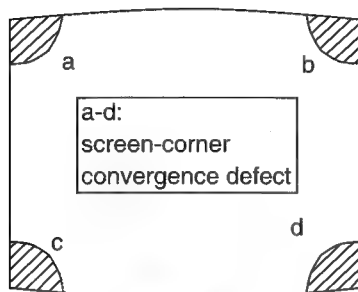
- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- Slightly loosen the deflection yoke screws.

- Remove the deflection yoke spacer.
- Move the deflection yoke as shown in the figure below and optimize the convergence.
- Tighten the deflection yoke screws.
- Re-install the deflection yoke spacer.

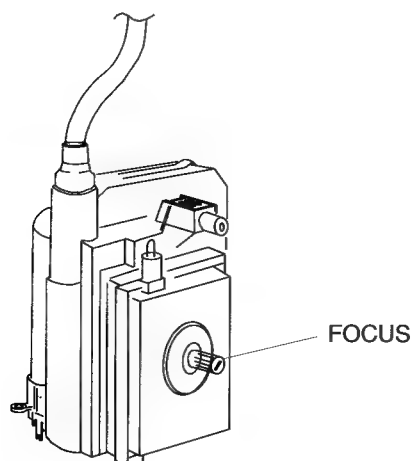


**(4) Screen corner convergence.**

If you are unable to adjust the corner convergence properly, correct them with the use of permalloy assemblies.

**3-3. Focus**

Adjust the focus to optimize the screen.

**3-4. WHITE BALANCE****Screen G2 Setting**

1. Input the dot signal from the pattern generator.
2. Set the picture brightness control to its lowest level.
3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
4. While watching the picture, adjust G2 control RV701 (Screen) to the point just before the return lines disappear.

**White balance adjustment**

1. Receive an all-white signal.
2. Enter into service mode. (Refer to the section 4 "Electrical Adjustment" on how to enter service mode.)
3. Select TDA8366 1 on menu.

DEVICE : TDA8366 1

STAT : 12

☐ NEXT  
☐ PREVIOUS  
☐ OK

USE COLOUR KEYS  
 SONY TEST MENU.

4. Press the White button on the Remote Commander to enter into the device Menu.
5. Press the Red button 10 times "Next" "Next" "Next" to select HWB RED, adjust to 32.
6. Press the Red button to select HWB GREEN, adjust with the + and - menu buttons so that the white balance becomes optimum.
7. Press the Red button to select HWB BLUE, adjust with the + and - menu buttons so that the white balance becomes optimum.
8. Press the TV button twice on the Remote Commander to store the data and return to TV operation.

## SECTION 4

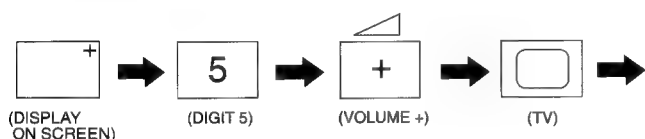
### CIRCUIT ADJUSTMENTS

#### 4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander RM-833.

##### HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set and enter into standby mode.
2. Press the following sequence of buttons on the Remote Commander.



“TT” will appear in the top right corner of the screen.  
Other status information will also be displayed.

3. Press the MENU button on the Remote Commander to obtain the menu on the screen.

DEVICE NAME

STAT : xxxx

☐ NEXT

☐ PREVIOUS

☐ OK

USE COLOUR KEYS  
SONY TEST MENU.

4. Press the Red (Next) and Green (Previous) buttons to select the device corresponding to the adjustment item from the table. Then press the White button (OK).

DEVICE NAME

00 ADJUSTMENT : xxx

☐ NEXT

☐ PREVIOUS

SELECT COL.BUTTON  
CHANGE BY MENU +/-

5. Press the Red (Next) or Green (previous) buttons to select the adjustment item. Then press the and buttons to change the data to comply with each standard.
6. Turn off the power to quit the service mode when adjustments are completed.

Initial Conditions for setup of TDA8366, TDA6612, TDA6622 and SAA7283. ( Stereo Models Only )

TDA8366 1	INIT VALUE	TDA8366 2	INIT VALUE
Hue	31	Interlace	00
H Shift	Adj	Sync Mode	00
H Size	Adj	Col Dec	00
Pin Amp	Adj	Vert Div	00
Corn Pin	Adj	Vid ID	00
Tilt	Adj	EHT Track	01
V.Linear	Adj	En V Grd	00
V.Size	Adj	Serv Blk	00
S.Corr	Adj	OVP Mode	00
V.Cent	Adj	Aspect R	00
HWB Red	Adj	Start Freq	00
HWB Green	Adj	Y/C Input	00
HWB Blue	Adj	PAL/NTSC	00
Peaking	8	Xtal PLL	00
Bright	32	Y Delay	07
Colour	32	RGB Blk	00
Picture	37	Noise Cor	00
AGC Set	00	Fast Blk	01
Src Sel 1	00	AFC Wind	00
Src Sel 2	00	IF Sensy	00
Time Con	03	Mod Std	00
Xtal Ind	03	Vid Mute	01
FF Freq	02		

TDA6612 (TDA6622 for UKmodel.)	INIT VALUE	TDA6612 (TDA6622 for UKmodel.)	INIT VALUE
MPX Per	00	Mute 2	01
Quasi St	00	C1/2LS	00
Bass Exp	00	C1/2KH	00
H Pulse	00	Mono	01
Matrix St	00	Scart	00
Bypass	00	Scart D	00
Vol L Sp	07	AM	00
Vol R Sp	07	SAA7283	INIT VALUE
Vol HP	00	Mon M1/M2	01
PII Sync	00	DM Select	01
Mute 3	01	SSWIT 123	07
Treble	08	Port 2	00
Bass	09	Mute Def	00
X Talk Adj	Adj	AMDIS	00
Mute 1	00	E Max	80
		E Min	01

## 4-2. TEST MODE 2 :

Is available by pressing Test button twice, OSD 'TT' appears. The functions described below are available by pressing the two numbers. To release the Test Mode 2, press 0 twice, or switch the TV into Stand-by Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Ageing Condition (Volume min., Picture max., Brightness max.)
08	Shipping Condition (Analog Values are RESET due to factory setting, Prog 1 is selected, TT Mode is switched off)
09	"Menu" Flag request
10	Tenth entry is deleted
11	dummy
12	dummy
13	dummy
14	Forced AV 16:9 detection on/off
15	Read factory setting from NVM Reads Volume, Balance, Treble, Bass, Brightness, Contrast, Hue, Sharpness, Colour values from ROM to the actual used values (Last Power Memory)
16	Save actual used values as RESET values Memorize actual used values Balance, Treble, Bass, Hue, Sharpness at RESET position in NVM.
17	Preset Label for AV Sources
18	RGB Priority on/off
19	Clear all preset labels
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24	Set destination = U RGB Priority = Off
25	Set destination = D RGB Priority = Off
26	Set destination = B RGB Priority = On
27	Set destination = K RGB Priority = Off
28	Set destination = L RGB Priority = Off
29	Set destination = E RGB Priority = Off

30	Tenth entry is deleted
31	Set Destination = A RGB Priority = On
32	dummy
33	Auto AGC
34	N/S Pin Adjust
35	Manual AGC Adjust
36	dummy
37	dummy
38	To Activate Rotation Coil Adjustment
39	'Check Rotation Coil Adjustment
40	Tenth entry is deleted
41	Re-initialise NVM
42	Production use only
43	Initialise Geom Settings
44	Initialise all favorite pages = 100
45	Channel locks = off
46	IR Channel Presetting Mode The channel presetting can be done by a Special IR Transmitter ( Ver 2 and above software only)
47	dummy
48	Set NVM testbyte to 44h
49	Erase the NVM Testbyte (this byte detects already stored NVM's) After selecting this function, switch TV Off and On -> the NVM will be preset by $\mu$ -Controller.

In Test Mode the Menu display is switchable by the Speaker-Off button.

**Note :** For Test Modes 41 - 49 it is necessary to ensure that the TV is set to Prog 59.

**SUB BRIGHTNESS ADJUSTMENT**

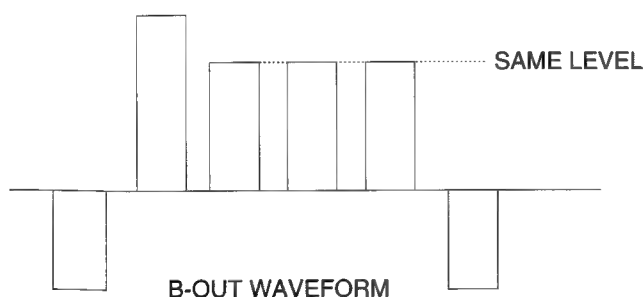
1. Input a Phillips pattern.
2. Enter into service mode and press 23.
3. Adjust data so that 0-IRE of grey scale and CUT-OFF 20-IRE are only slightly visible on screen.

**SUB CONTRAST ADJUSTMENT**

1. Input a video that contains a small 100% area on a Black Background.
2. Enter into service mode and press 01 to have PIC max followed by 21.
3. Connect oscilloscope to pin ① of CN703 (R OUT) and adjust HWB Red data of TDA8366 1 to obtain 2.3Vp-p.

**SUB COLOR ADJUSTMENT**

1. Input a PAL color bar signal.
2. Connect an oscilloscope to pin ③ of CN703 (B OUT) on the C board.
3. Enter into service mode and press 22.
4. Adjust data so that the right sides of the waveform are set to the same level.

**STEREO SEPARATION ADJUSTMENT**

1. Input a 1KHz stereo signal to the L-ch and a 400Hz stereo signal to the R-ch.
2. Enter into service mode and select the "Test Menu" to be TDA6612. (TDA6622 UK models)
3. Select the Stereo Xtalk Adjustment Menu, by using the Red (Next) and Green (Previous) buttons.
4. Monitor the Scart 1 L-channel output and adjust the data so that the R-channel sound is not detected in the L-channel.

**I.F. COIL ADJUSTMENT (T101) - B/G, D/K, I AND L STANDARD FOR CONTINENTAL MODELS.**

1. Apply a 38.9MHz signal at 100dBuV to the input of SWF101.
2. Receive a channel so that the I.C. is selected for negative modulation.
3. Measure the voltage at the AFT test point and adjust (T101) to obtain 2.4V +/- 0.2V.

**I.F. COIL ADJUSTMENT (T101) - I, STANDARD FOR U.K. MODELS.**

1. Apply a 39.5MHz signal at 100dBuV to the input of SWF101.
2. Receive a channel so that the I.C. is selected for negative modulation.
3. Measure the voltage at the AFT test point and adjust (T101) to obtain 2.4V +/- 0.2V.

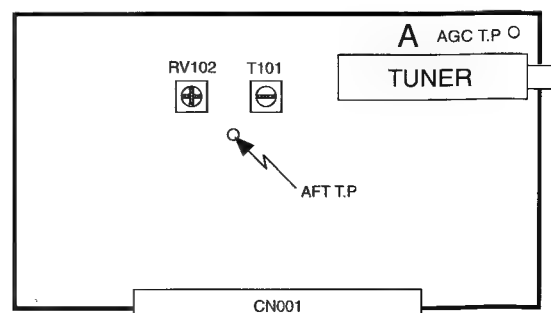
**L, BAND 1 ADJUSTMENT (RV102) - L, STANDARD FOR FRENCH MODELS.**

1. Apply a 33.95MHz signal at 100dBuV to the input of SWF101.
2. Receive a channel so that the I.C. is selected for positive modulation and system L band 1.
3. Measure the voltage at the AFT test point and adjust (RV102) to obtain 2.4V +/- 0.2V.

**Note :** Only adjust RV102 after T101 has been correctly adjusted.

**AGC ADJUSTMENT**

1. Receive an off- air signal.
2. Enter the service mode, ("Test" "Test") and 35.
3. Adjust the data so that there is no snow or cross - modulation visible on the screen.
4. Change the receiving off-air channel, and confirm the above status.

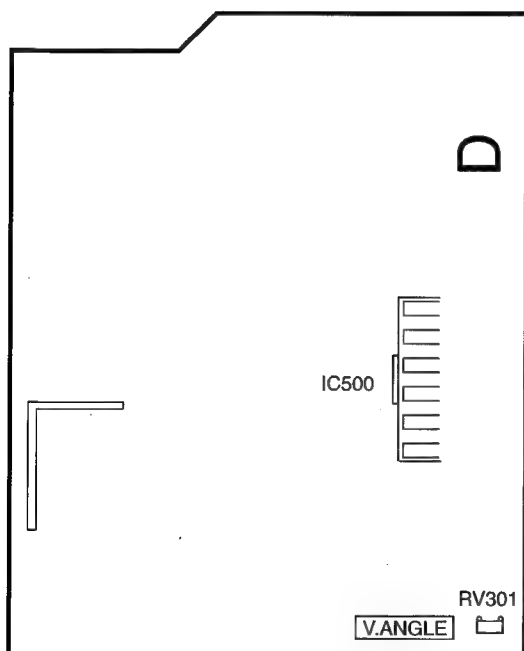


# DEFLECTION SYSTEM ADJUSTMENT

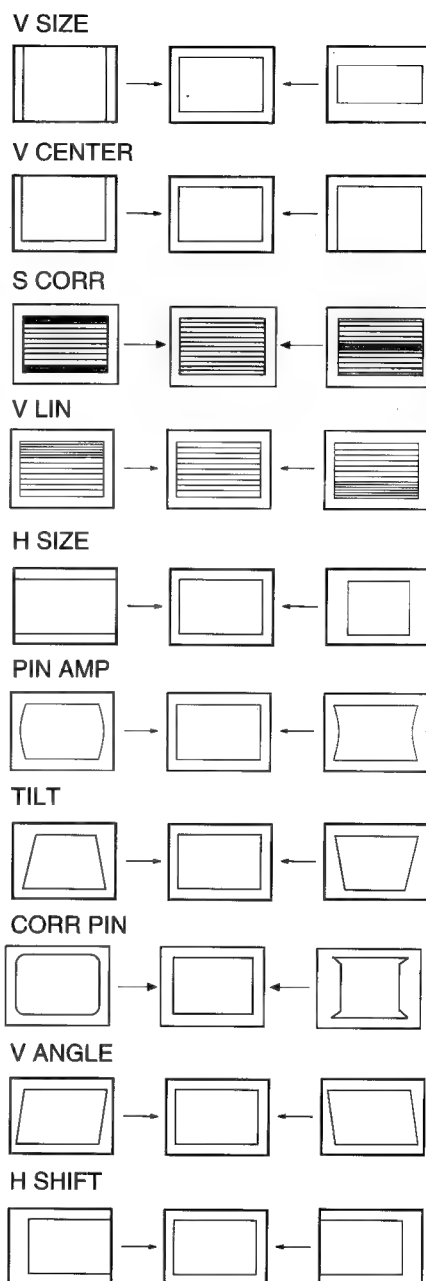
1. Enter into service mode.
2. Select and adjust each item in order to obtain the optimum image.

Item No	Adjustment item.	Data Amount
03	H SHIFT	ADJ.
04	H SIZE	ADJ.
05	PIN AMP	ADJ.
06	CORR PIN	ADJ.
07	TILT	ADJ.
08	V LINEAR	ADJ.
09	V SIZE	ADJ.
0A	S CORR	ADJ.
0B	V CENTER	ADJ.

Note : V ANGLE is adjusted by a Variable Resistor on the 'D' Board (RV301)



- D Board Component Side -





### 4-3. BE3B SELF DIAGNOSTIC SOFTWARE

The identification of errors within the BE-3B chassis is triggered in 1 of 2 ways :- 1: Bus busy or 2: Device failiure to respond to IIC. In the event of one of these situations arrising the software will first try to release the bus if busy (Failiure to do so will report with continous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the led (Series of flashes which must be counted) See Table 1., on fatal errors are reported with this method.

If a fatal error is found the set will simply stay in whichever state it was when the error occurred, but if a non fatal error occurs the set will try to continue operation.

**Table 1**

Device	LED Error Count	Fatal Error
NVM	2 .. 9	√
Teletext	10	
Jungle	11	√
Video_sw	12	
Tuner	13	√
Nicam	14	
Audio_cont	15	√

Flash Timing Example : e.g. error number 3.

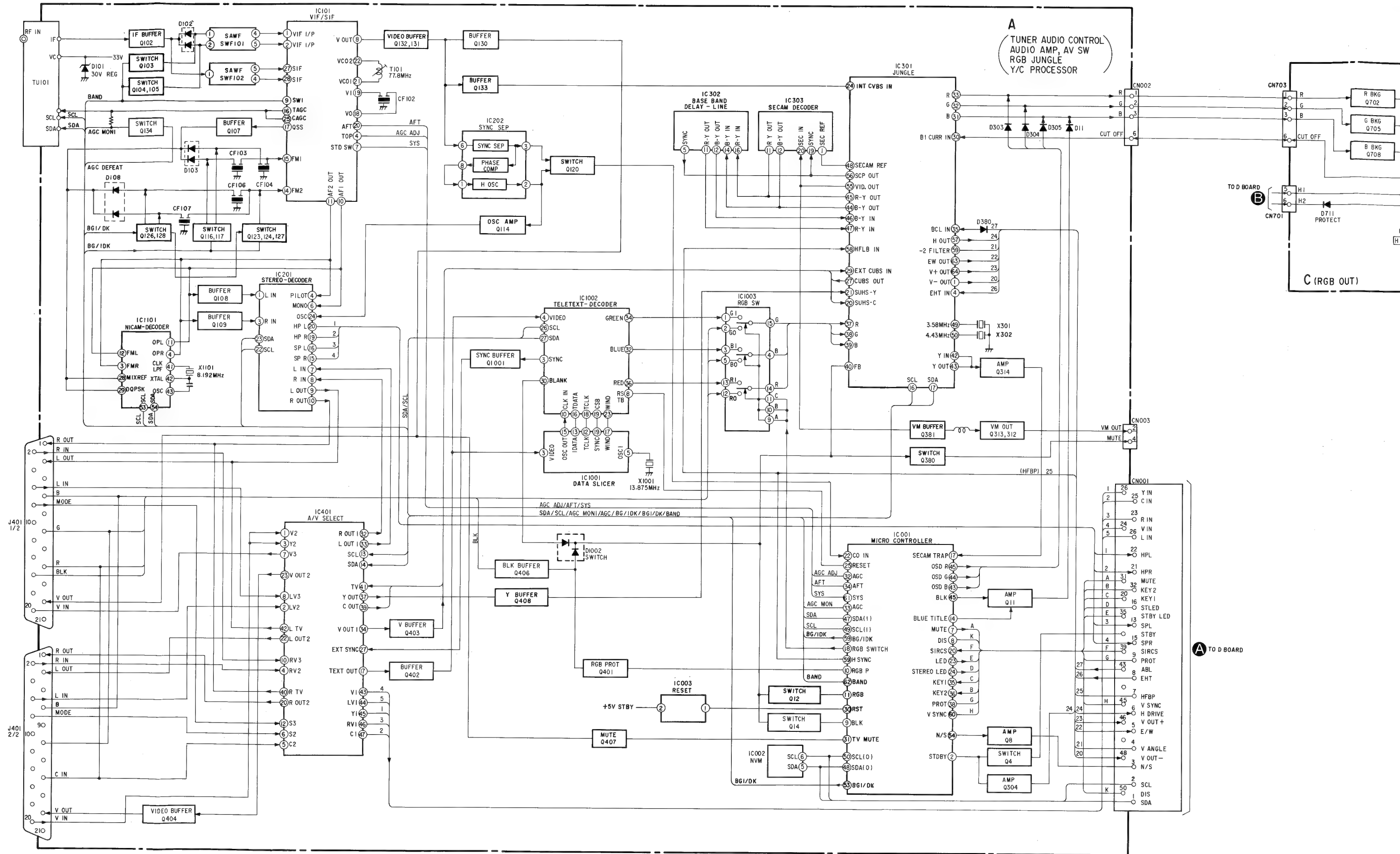
Stby LED

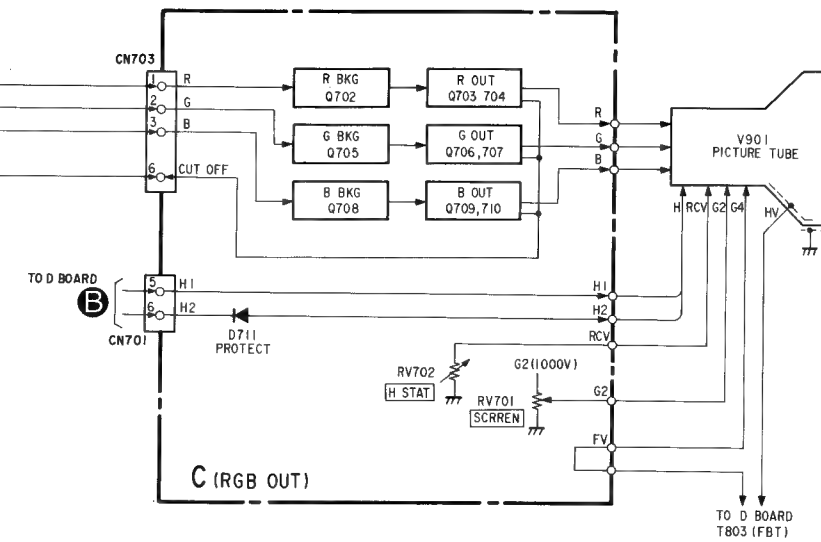
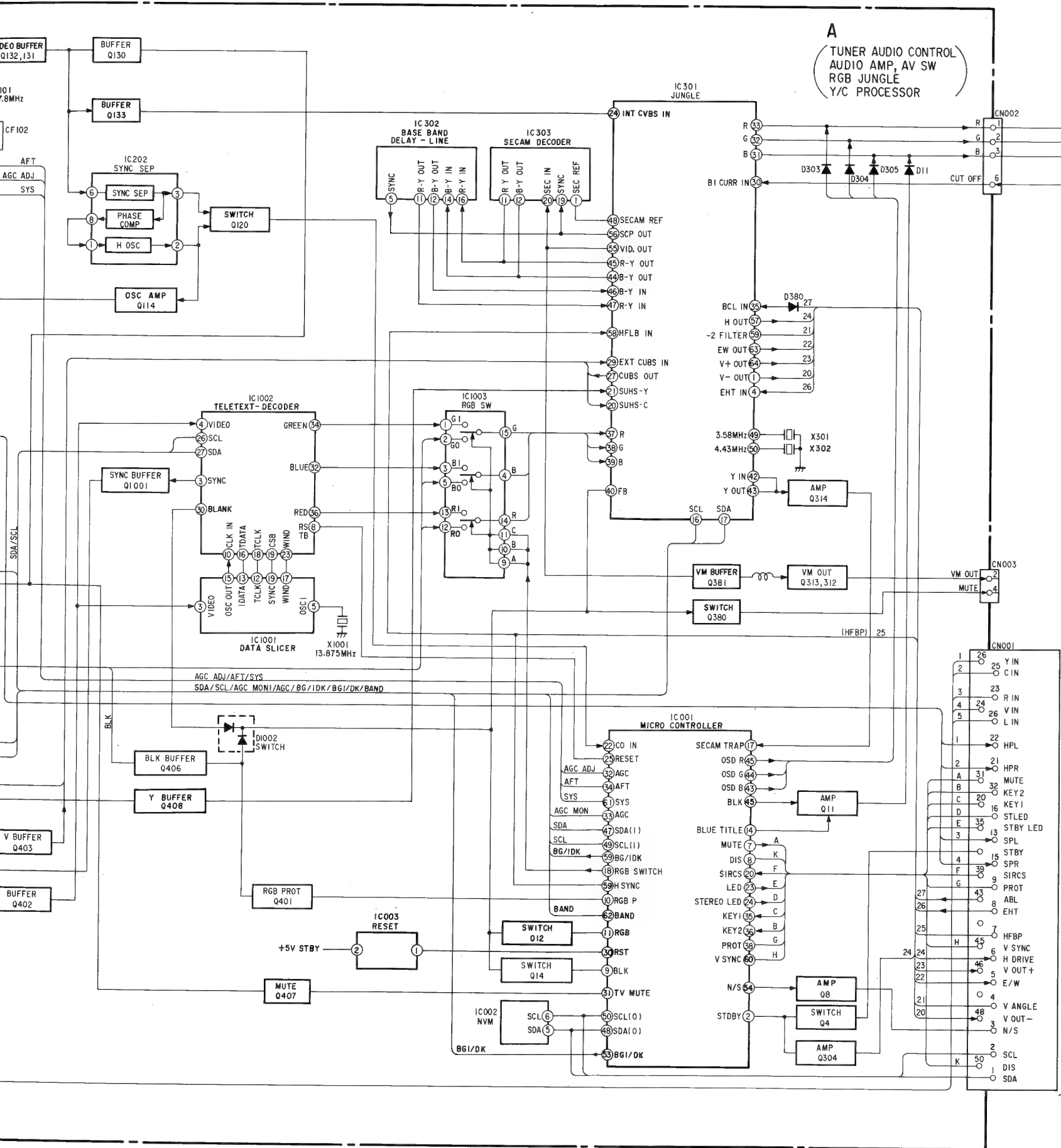


MEMO

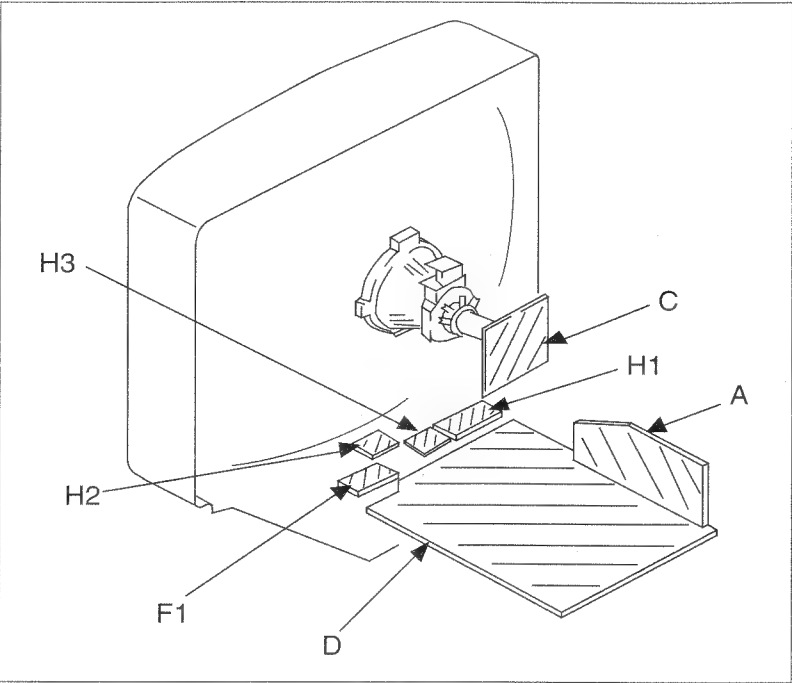
Lined area for writing the memo.

— 28 —





5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- Note :**
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\mu\text{F}$  50WV or less are not indicated except for electrolytic and tantalums.
  - All resistors are in ohms.  
 $k = 1000$  ,  $M = 1000K$
  - Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm  
Rating electrical power  $\frac{1}{4}$  W

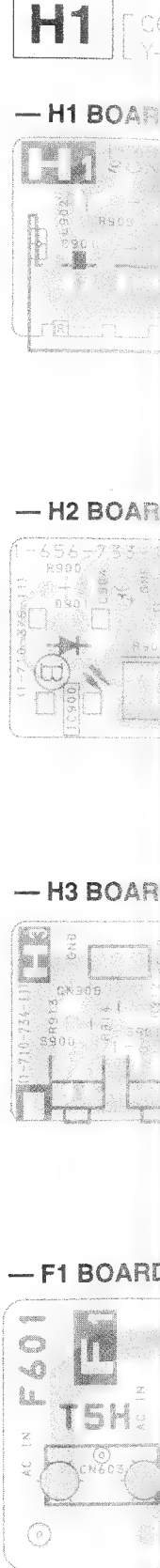
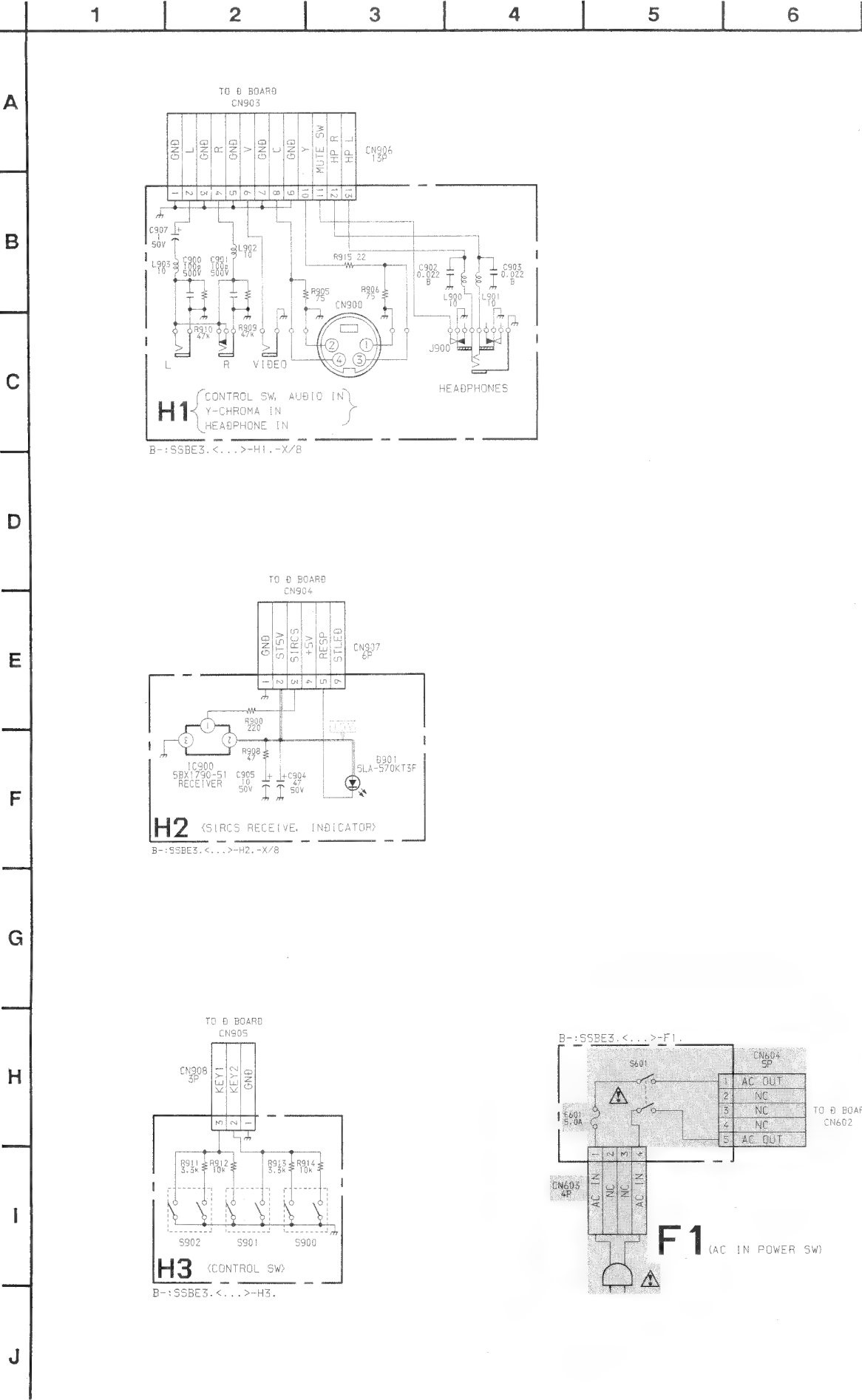
- : nonflammable resistor.
- : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth - ground.
- : earth - chassis.
- : no mounted.

**Note :** The components identified by shading and marked are critical for safety. Replace only with the part number specified.

**Note :** Les composants identifies par une trame et une marque sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

Reference information		
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	:	ADJUSTABLE RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
	: TA	TANTALUM
CAPACITOR	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Readings are taken with a colouriser signal input.  
Readings are taken with a full 40 digital multimeter.  
Voltages are do with respect to ground unless otherwise noted.  
Voltage variations may be noted due to normal production tolerances.  
All voltages are in V.  
Circled numbers are waveform references  
 : B+ bus.  
 : signal path. (P/P)

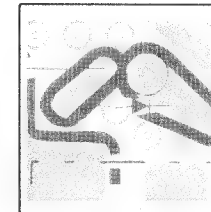






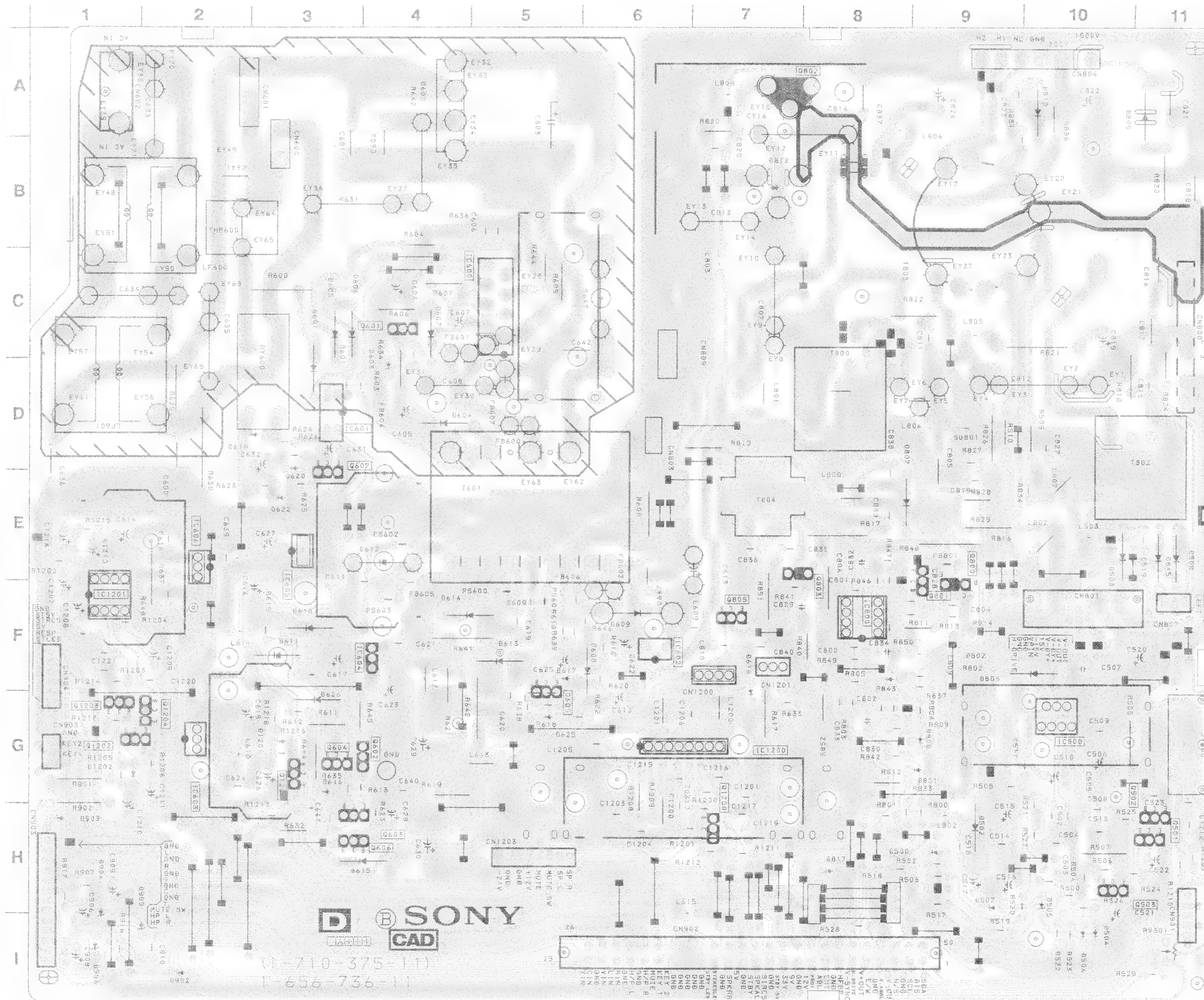
**KV-X258**

HV OUT  
PIN OUT  
POWER SUPPLY



The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

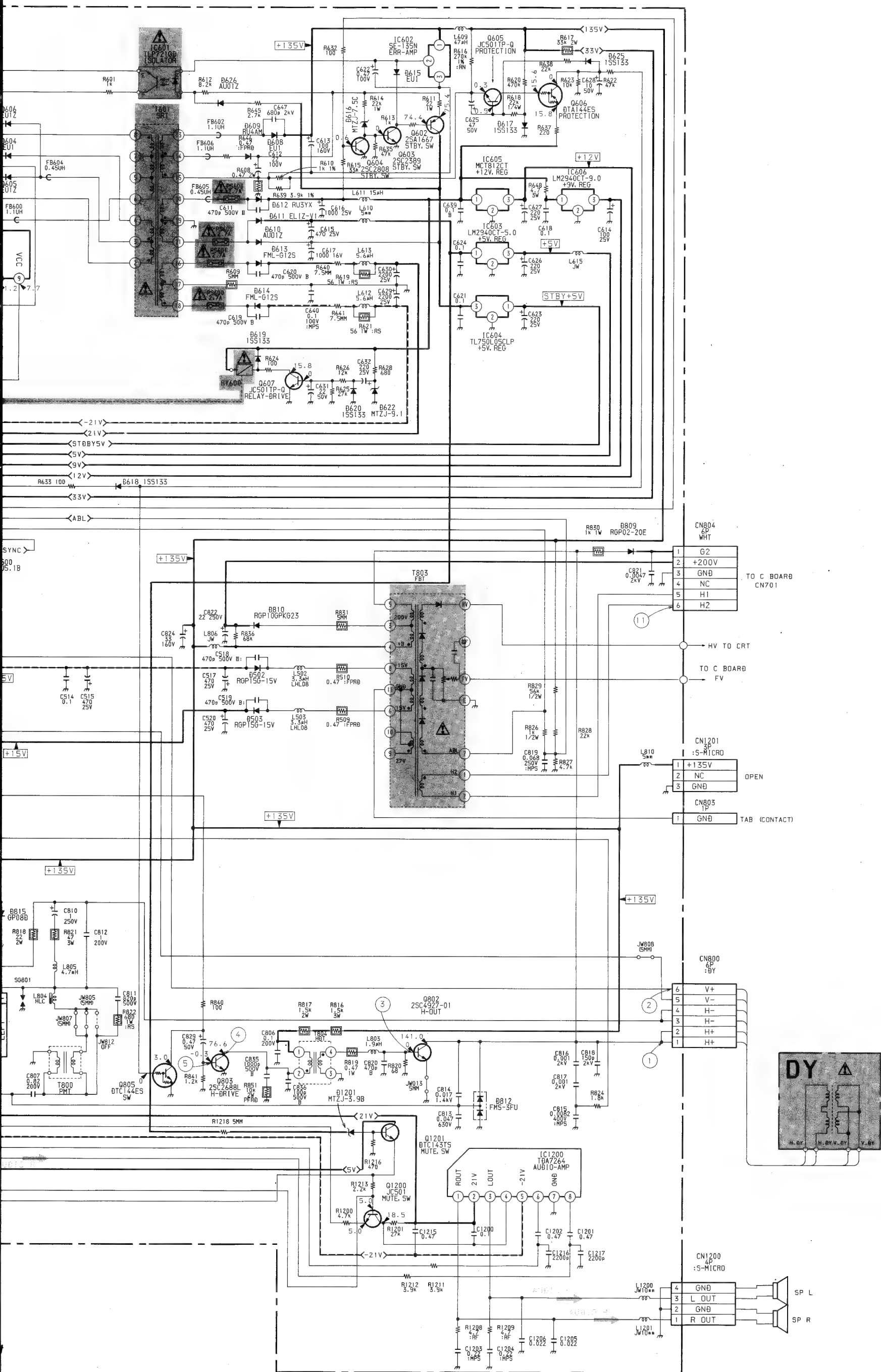
— D BOARD —



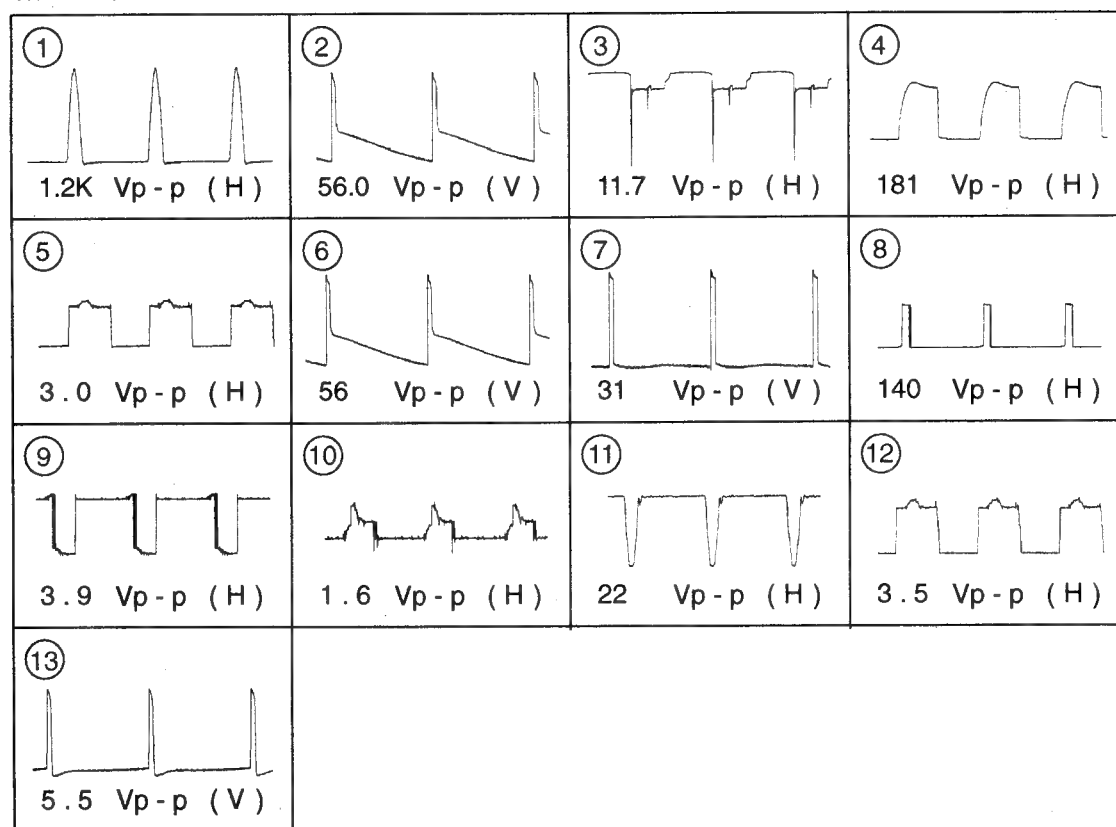
IC		D600	A-4
IC500	G-10	D601	D-3
IC600	C-5	D603	D-4
IC601	D-3	D604	D-4
IC602	F-6	D605	C-3
IC603	G-2	D606	C-3
IC604	F-4	D607	C-4
IC605	E-3	D608	F-6
IC606	E-2	D609	F-6
IC800	F-8	D610	F-3
IC1200	G-7	D611	F-3
IC1201	F-1	D612	E-4
		D613	F-5
TRANSISTOR		D614	F-4
Q501	H-11	D615	H-4
Q502	H-11	D616	G-3
Q503	H-10	D617	F-5
Q601	C-4	D618	F-7
Q602	G-4	D619	D-2
Q603	H-3	D620	E-3
Q604	G-3	D622	E-3
Q605	G-5	D625	G-5
Q606	H-3	D626	G-3
Q607	E-3	D800	G-9
Q800	E-9	D801	G-9
Q801	F-9	D802	F-9
Q802	A-8	D803	F-9
Q803	E-8	D807	E-8
Q805	F-7	D808	E-11
Q1200	H-7	D809	A-11
Q1201	G-3	D810	A-10
Q1202	G-1	D812	B-7
Q1203	G-1	D815	E-11
Q1204	G-2	D817	H-8
		D902	I-2
		D903	H-1
DIODE		D904	H-1
D500	H-9	D905	I-2
D502	H-9	D906	I-1
D503	E-10	D1201	G-3
D504	I-10	VARIABLE RESISTOR	
D505	I-10	RV301	I-11
D506	I-10		
D507	H-9		



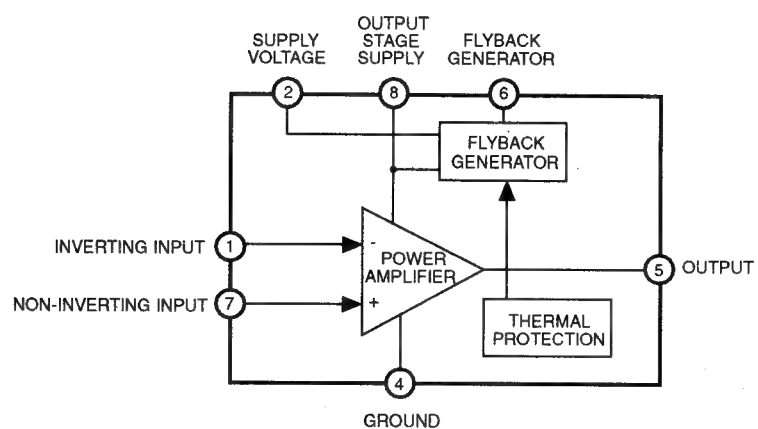




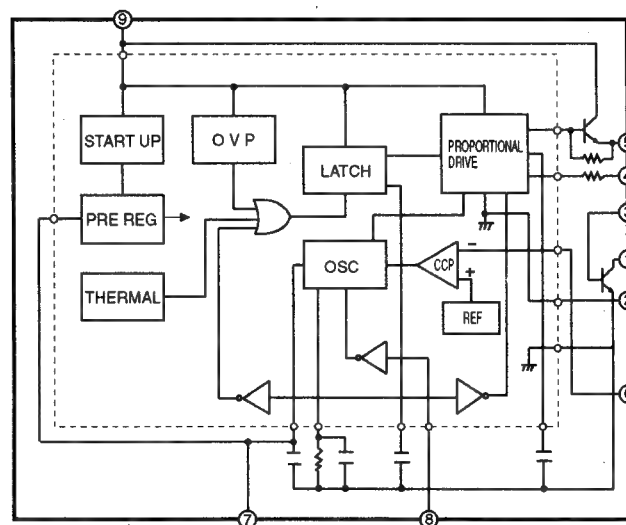
## WAVEFORMS D BOARD



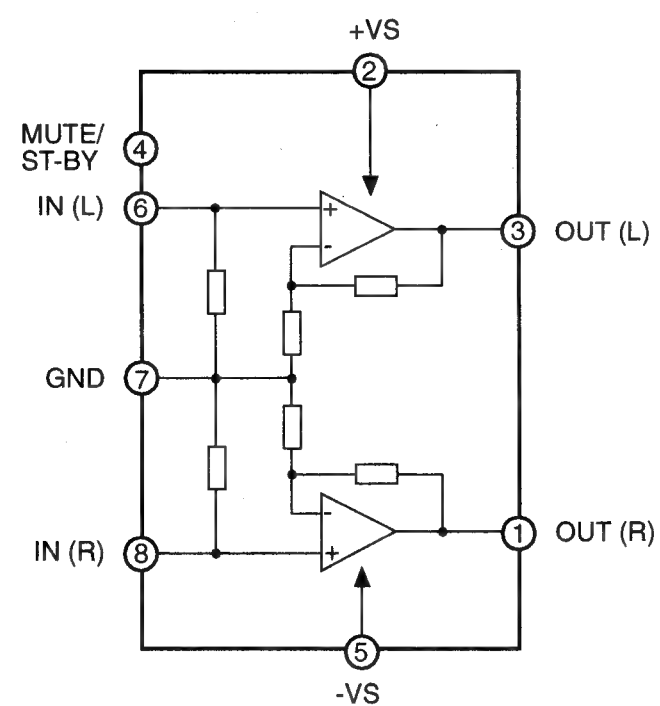
## D BOARD IC500 STV9379

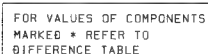


## D BOARD IC600 STR-S6708



## D BOARD IC1200 TDA7264





<p>①</p> <p>3.5 Vp-p (H)</p>	<p>②</p> <p>3.0 Vp-p (H)</p>	<p>③ PAL.SECAM</p> <p>2.5 Vp-p (H)</p>	<p>③ NTSC</p> <p>2.3 Vp-p (H)</p>	<p>④ PAL</p> <p>0.1 Vp-p (H)</p>
<p>④ SECAM</p> <p>1.1 Vp-p (H)</p>	<p>④ NTSC</p> <p>0.9 Vp-p (H)</p>	<p>⑤</p> <p>1.0 Vp-p (H)</p>	<p>⑥</p> <p>1.4 Vp-p (H)</p>	<p>⑦ PAL.NTSC</p> <p>1.4 Vp-p (H)</p>
<p>⑦ SECAM</p> <p>1.1 Vp-p (H)</p>	<p>⑧ PAL</p> <p>0.8 Vp-p (H)</p>	<p>⑧ SECAM</p> <p>1.5 Vp-p (H)</p>	<p>⑧ NTSC</p> <p>0.9 Vp-p (H)</p>	<p>⑨ PAL.SECAM</p> <p>0.5 Vp-p (H)</p>
<p>⑨ NTSC</p> <p>0.4 Vp-p (H)</p>	<p>⑩</p> <p>1.0 Vp-p (H)</p>	<p>Voltages indicated with the mark * on the schematic diagram are shown in the table below.</p>		

**A BOARD**

IC	Pin	PAL	SECAM
IC301	17	4.0	4.0
	35	3.6	2.5

①

3.5 Vp-p (H)

②

3.0 Vp-p (H)

③ PAL.SECAM

2.5 Vp-p (H)

③ NTSC

2.3 Vp-p (H)

④ PAL

0.1 Vp-p (H)

④ SECAM

1.1 Vp-p (H)

④ NTSC

0.9 Vp-p (H)

⑤

1.0 Vp-p (H)

⑥

1.4 Vp-p (H)

⑦ PAL.NTSC

1.4 Vp-p (H)

⑦ SECAM

1.1 Vp-p (H)

⑧ PAL

0.8 Vp-p (H)

⑧ SECAM

1.5 Vp-p (H)

⑧ NTSC

0.9 Vp-p (H)

⑨ PAL.SECAM

0.5 Vp-p (H)

⑨ NTSC

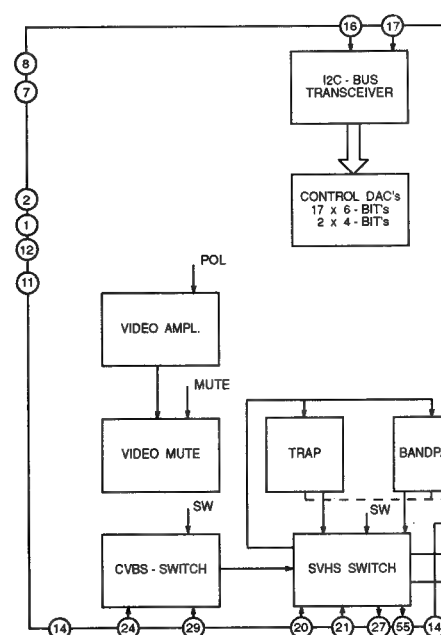
0.4 Vp-p (H)

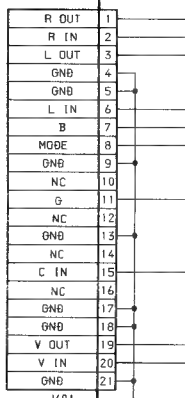
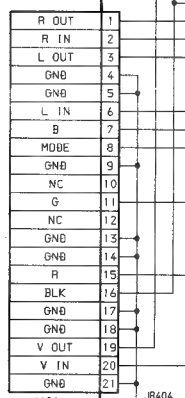
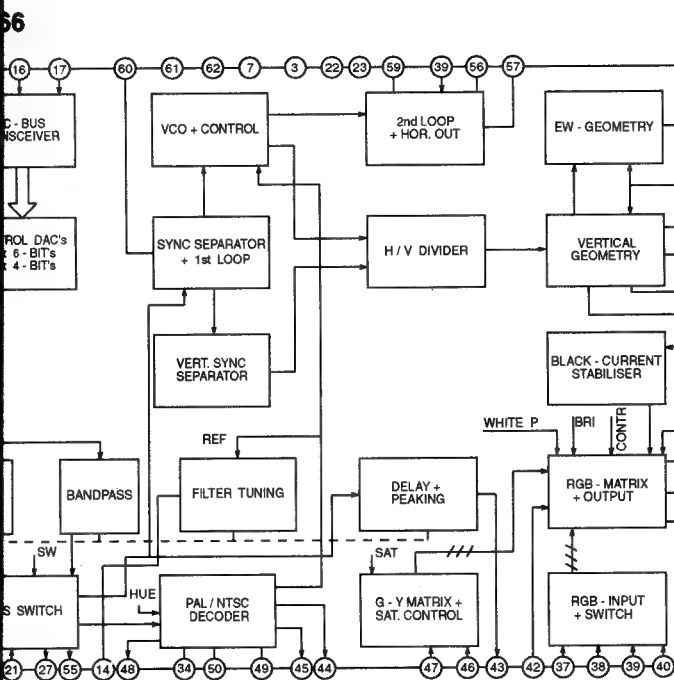
⑩

1.0 Vp-p (H)

Voltages indicated with the mark \* on the schematic diagram are shown in the table below.

IC	Pin	PAL	SECAM	NTSC 3.58	NTSC 4.43
IC301	17	4.0	4.0	4.0	0
	35	3.6	2.5	3.5	3.5
	44	1.5	3.1	1.5	1.5
	45	1.5	3.0	1.5	1.5
	48	1.7	4.4	1.6	1.7
	49	1.4	1.4	2.0	1.4
	50	2.0	2.0	1.4	2.0
	63	3.4	2.5	2.2	2.5
IC303	1	1.7	4.4	1.6	1.7
	11	1.5	3.0	1.5	1.5
	12	1.5	3.1	1.5	1.5









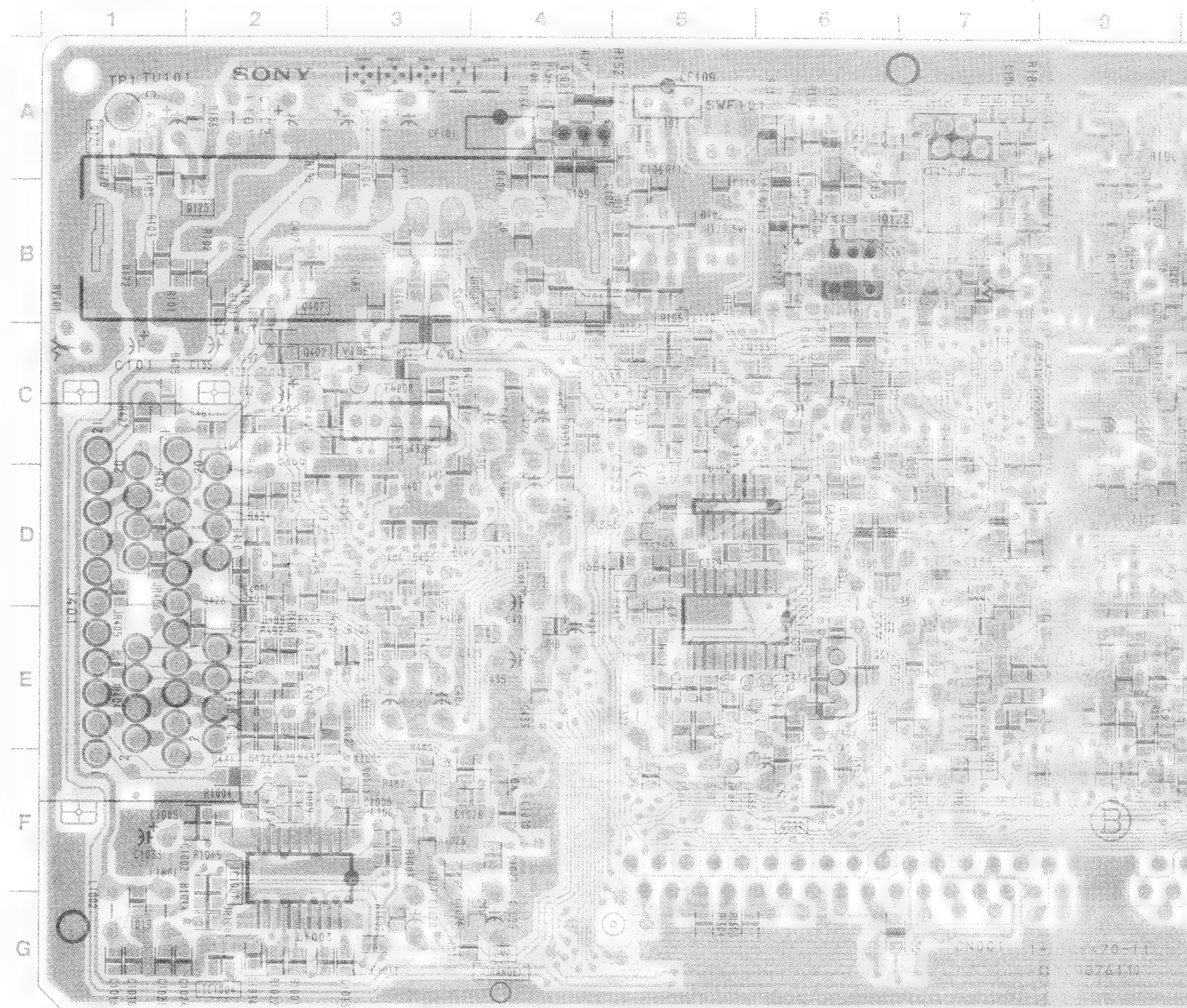
## A BOARD \* MARK

Ref	X2581D	X2581A	X2583B	X2583E	X2582U	X2581K
C101	22 50V	22 50V	4.7 50V	22 50V	22 50V	22 50V
C143	-	-	100 16V	-	-	-
C149	0 : CHIP	0 : CHIP	0 : CHIP	0 : CHIP	0 : CHIP	0.01
C154	68p	68p	33p	68p	47p	68p
C155	10p	10p	-	10p	10p	10p
C157	33p	33p	68p	33p	100p	33p
C163	-	-	0.012	-	-	-
C163	-	-	0.001	-	-	-
C207	0.0018 100V	0.0018 100V	0.0018 100V	0.0018 100V	-	0.0018 100V
C1110	-	-	0.047	0.047	0.022	-
CF101	EFCV4045A4	EFCV4045A4	EFCV4045A4	EFCV4045A4	-	EFCV4045A4
CF102	5.5mHz	5.5mHz	5.5mHz/6.6mHz	5.5mHz	6.0mHz	5.5mHz
CF103	5.5mHz	5.5mHz	5.5mHz	5.5mHz	-	5.5mHz
CF104	6.5mHz	-	6.0mHz	-	6.0mHz	6.5mHz
CF106	5.75mHz	5.75mHz	5.75mHz	5.75mHz	-	5.75mHz
CF107	-	-	-	-	-	FILTER
D102	-	-	DAN202K	-	-	-
D103	DAN202K	-	DAN202K	-	-	0 : CHIP
D108	-	-	-	-	-	DAN202K
D201	DA204K	DA204K	DA204K	DA204K	-	DA204K
IC101	TDA9813T	TDA9813T	TDA9814T	TDA9813T	TDA9813T	TDA9813T
IC201	TDA6612	TDA6612	TDA6612	TDA6612	TDA6622	TDA6612
IC1002	CF70200FN	CF70200FN	-	CF70200FN	CF70205FN	CF70200FN
JR115	-	-	-	-	-	0 : CHIP
JR122	0 : CHIP	0 : CHIP	-	0 : CHIP	0 : CHIP	0 : CHIP
JR123	0 : CHIP	0 : CHIP	-	0 : CHIP	0 : CHIP	0 : CHIP
JR125	-	0 : CHIP	-	0 : CHIP	-	-
JR127	-	-	-	-	0 : CHIP	-
JR201	0 : CHIP	0 : CHIP	-	-	-	0 : CHIP
JR202	0 : CHIP	0 : CHIP	-	-	-	0 : CHIP
JR401	-	-	0 : CHIP	-	-	-
JR402	-	-	0 : CHIP	-	-	-
JR403	-	-	0 : CHIP	-	-	-
L104	-	-	100μH	-	-	-
L105	12μH	12μH	5.6μH	12μH	12μH	12μH
L108	33μH	33μH	27μH	33μH	10μH	33μH
L201	4.7mmH	4.7mmH	4.7mmH	4.7mmH	-	4.7mmH
Q103	-	-	DTC114EK	-	-	-
Q104	-	-	DTC114EK	-	-	-
Q105	-	-	DTC114EK	-	-	-
Q116	DTC144EK	-	DTC144EK	-	-	-
Q117	DTC144EK	-	DTC144EK	-	-	-
Q121	-	-	2SA1037K	-	-	-
Q125	-	-	DTC114EK	-	-	-
Q126	-	-	-	-	-	DTC144EK
Q127	-	-	-	-	-	DTC144EK
Q128	-	-	-	-	-	DTC144EK
R134	2.2K	-	2.2K	-	-	2.2K
R135	2.2K	-	2.2K	-	-	2.2K
R143	2.2K	-	2.2K	-	-	2.2K
R147	220	220	180	220	330	220
R150	0 : CHIP	0 : CHIP	0 : CHIP	0 : CHIP	1.5K	0 : CHIP
R161	180	180	180	180	150	180
R175	-	-	-	-	-	1K
R188	-	-	-	-	-	2.2K
R189	-	-	-	-	-	1K
R190	-	-	-	-	-	2.2K
R191	-	-	-	-	-	2.2K
R193	-	-	1K	-	-	-
R199	1K	1K	1.2K	1K	1K	1K
R461	75	75	75	75	56	75
R1104	-	-	33K	-	100K	-
R1105	-	-	1.8K	-	2.2K	-
RV102	-	-	22K	-	-	-
SWF101	K3953M	K3953M	K3953M	K3953M	J3950M	K3953M
SWF102	K9350M	K9350M	K9350M	K9350M	K9350M	K9350M
TU101	UV916H	UV916H	UV916H	UV916H	U944C	UV916H

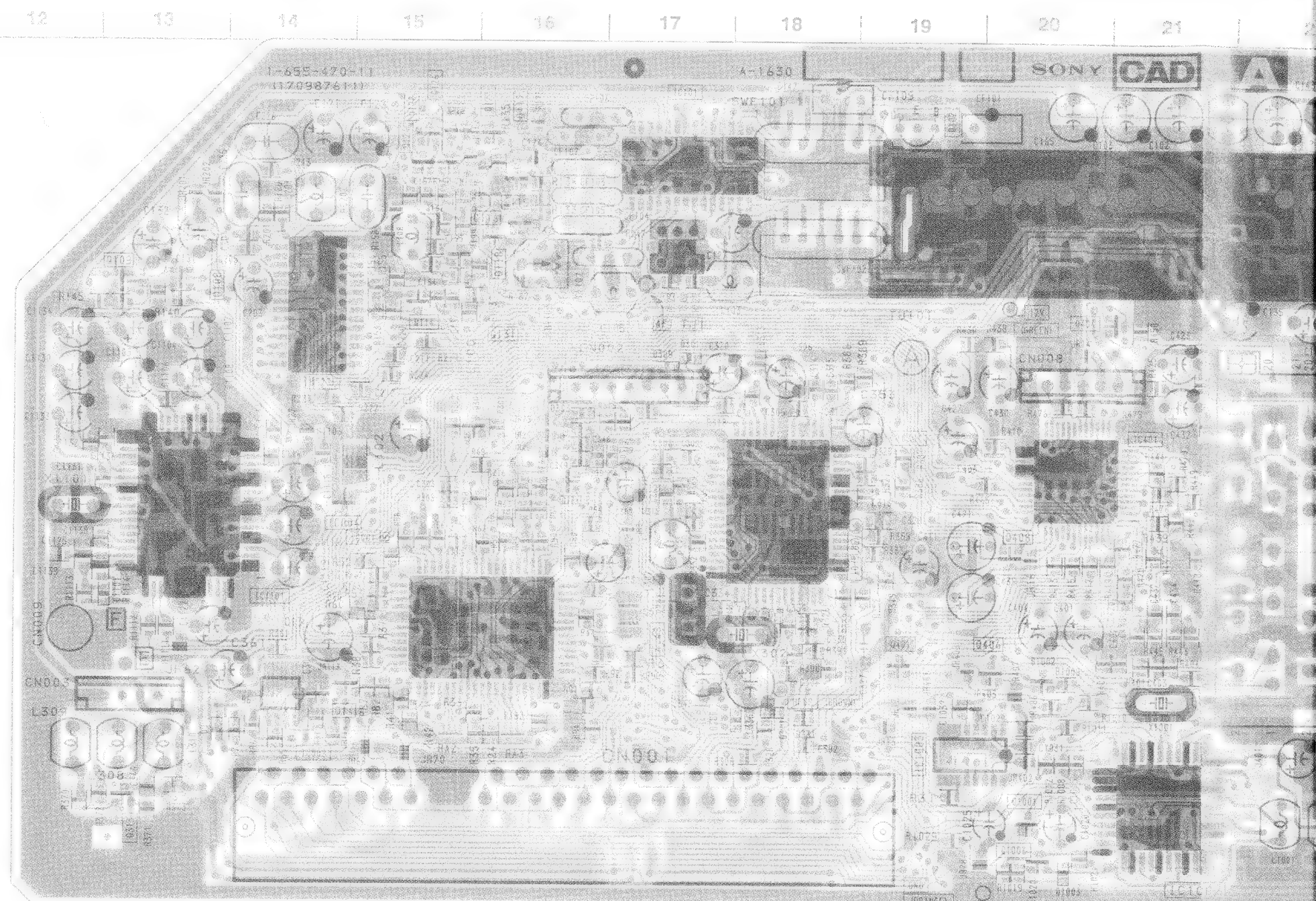
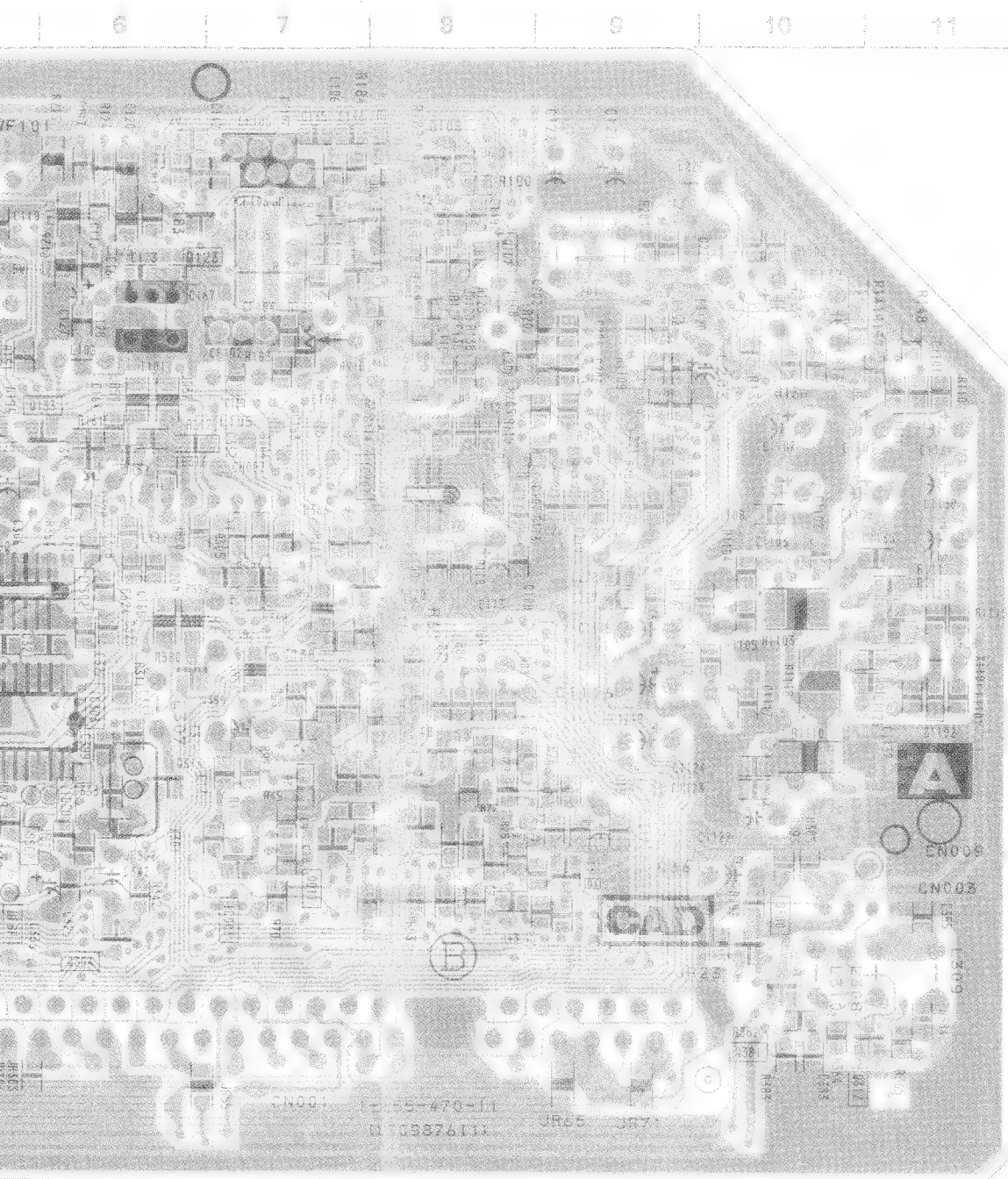
A

TUNER AUDIO CONTROL  
AUDIO AMP, AV SW  
RGB JUNGLE, Y/C PROCESSOR

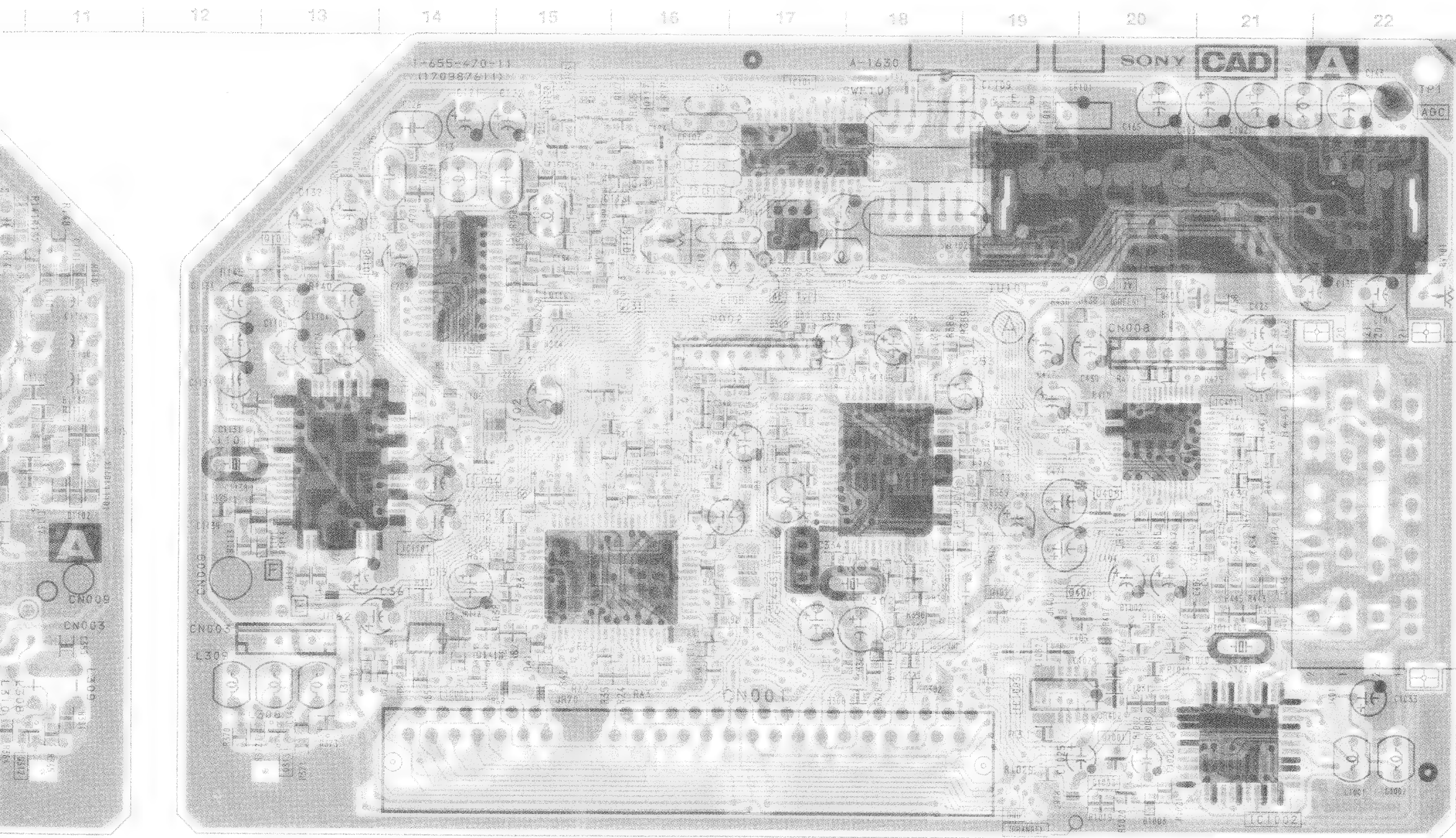
— A BOARD —











## — A BOARD —

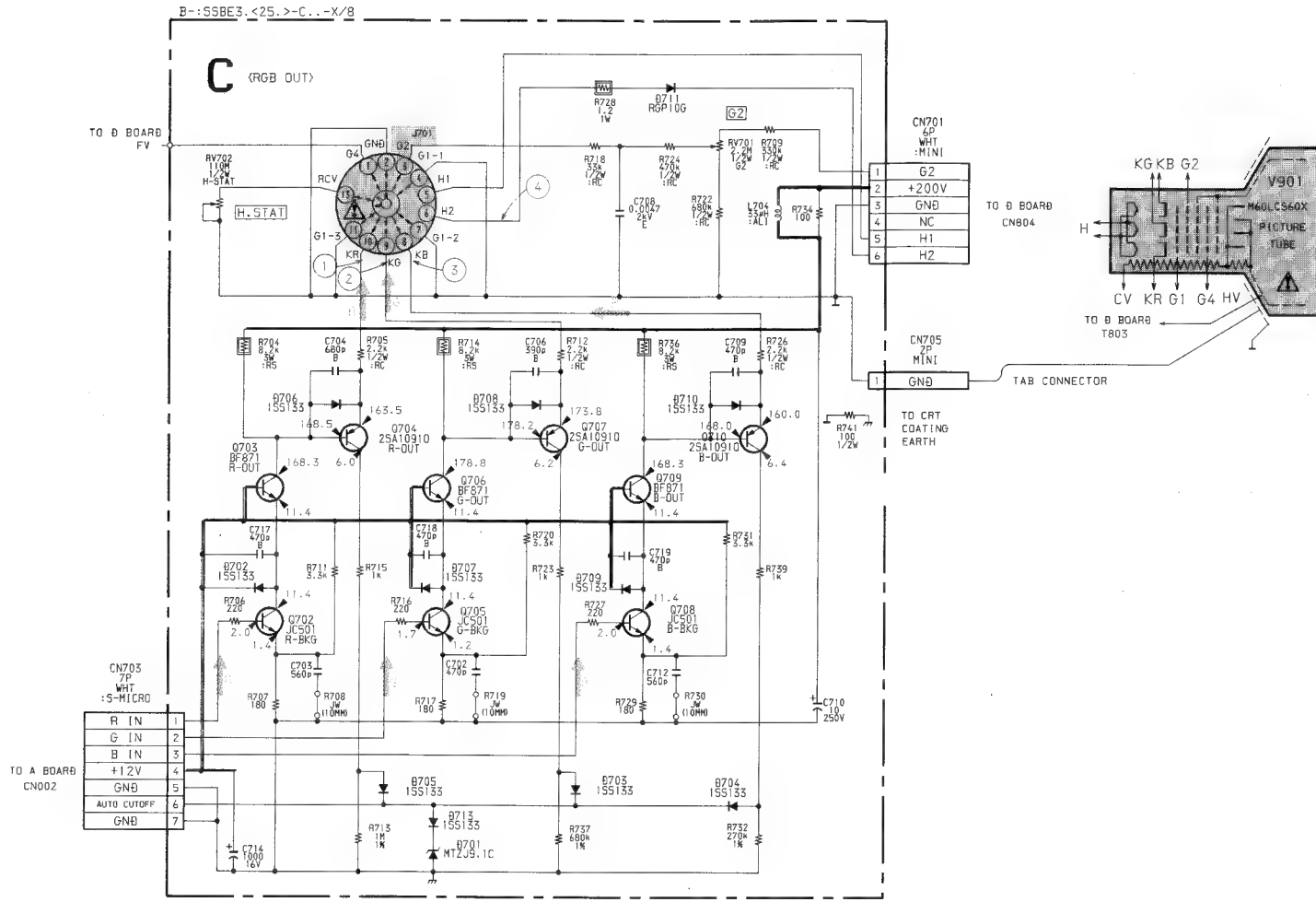
IC		Q313	G-13
IC001	E-15	Q314	E-6
IC002	F-14	Q380	F-10
IC003	E-7	Q381	F-10
IC101	A-17	Q401	E-19
IC201	C-14	Q402	C-3
IC202	C-8	Q403	C-4
IC301	D-18	Q404	C-21
IC302	E-5	Q406	E-20
IC303	E-6	Q407	B-2
IC401	D-20	Q408	E-20
IC1001	F-2	Q1001	G-20
IC1002	G-21	DIODE	
IC1003	F-19	D6	F-14
IC1101	E-14	D7	F-14
TRANSISTOR		D9	F-13
Q4	F-9	D11	E-8
Q8	E-8	D101	B-2
Q11	E-7	D102	B-5
Q12	E-8	D103	B-7
Q14	F-15	D108	A-8
Q102	A-4	D201	B-9
Q103	B-5	D301	C-17
Q104	B-4	D303	C-16
Q105	B-5	D304	C-7
Q107	B-8	D305	C-7
Q108	B-13	D314	C-4
Q109	B-13	D315	D-17
Q114	C-15	D401	D-3
Q116	B-16	D402	E-3
Q117	B-16	D404	D-3
Q120	D-8	D405	D-3
Q121	A-1	D406	D-3
Q123	B-6	D407	D-3
Q124	A-15	D408	D-3
Q125	B-2	D409	D-3
Q126	A-15	D410	D-2
Q127	A-16	D411	E-3
Q128	A-15	D1002	F-20
Q130	C-5	D1101	E-13
Q131	B-15	D1102	E-11
Q132	B-15	VARIABLE RESISTOR	
Q133	C-6	RV102	B-16
Q134	D-16		
Q301	D-16		
Q304	F-6		
Q312	G-11		

## Note:

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

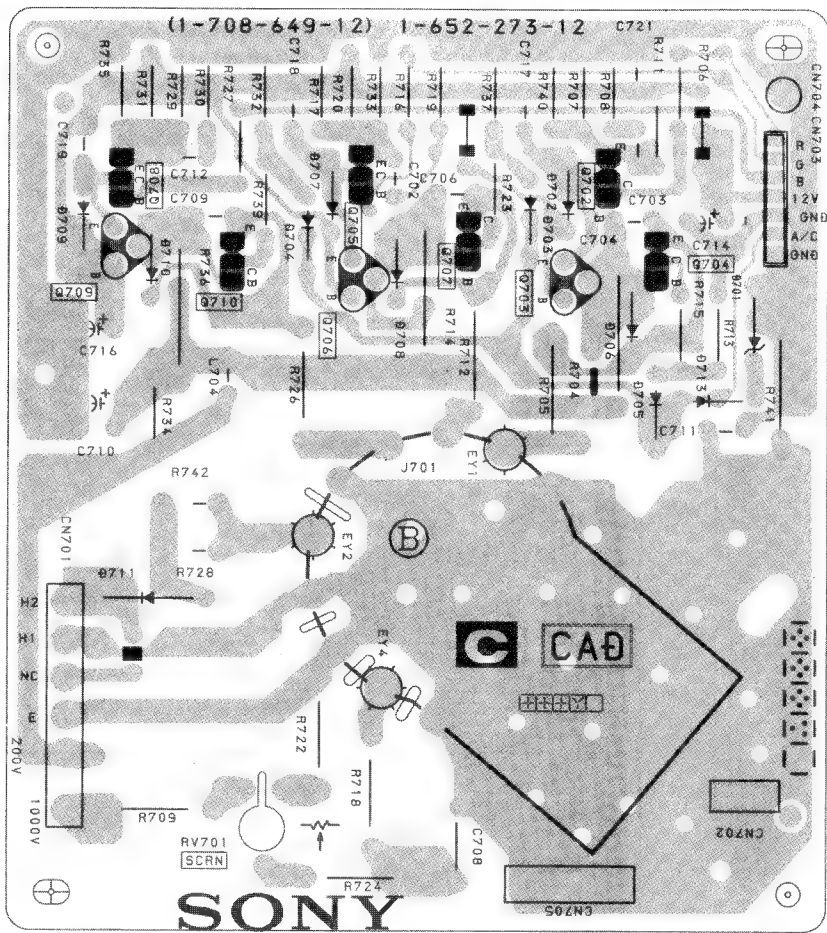
B--SSBE3.<25.>-C...X/8

C (RGB OUT)

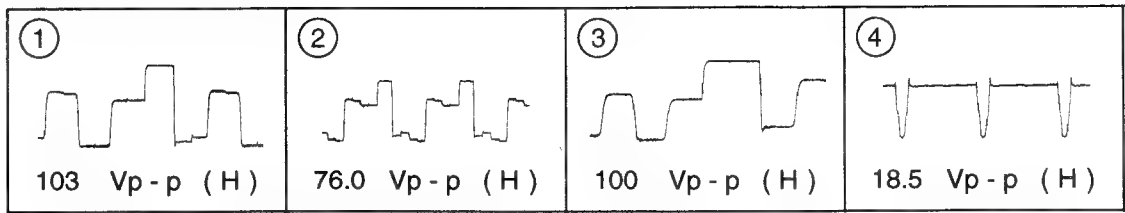


C [RGB OUT]

— C BOARD —



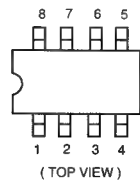
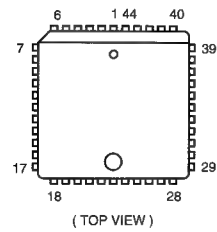
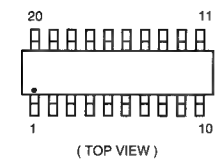
WAVEFORMS C BOARD



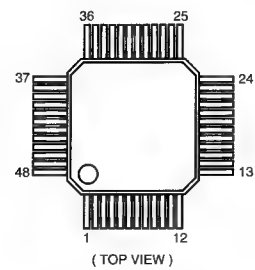
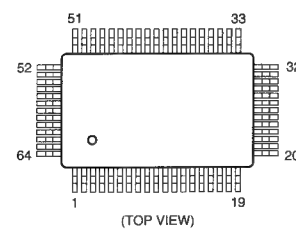
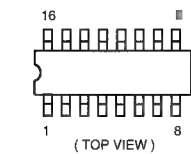
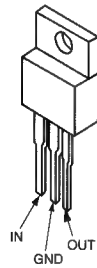
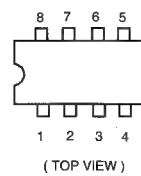


## 5-4. SEMICONDUCTORS

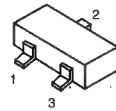
BA7046F

CF70200FN-R  
CF70205FN-RCF72416DW-R  
TDA8395T

CXA1855Q

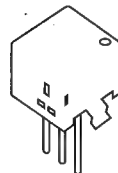
CXP85340A  
SAA7283  
TDA8366THD14053BFP  
MC14053BFLM2940CT-5.0  
LM2940T-9.0  
MCT7812CT  
TA7812S  
μPC2405HFLM393P  
TDA2822M  
μPC393C

MN1382S

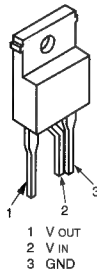


1: OUT  
2: VDD  
3: VSS

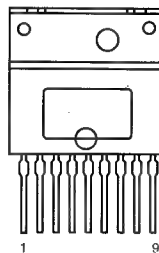
SBX1790-51



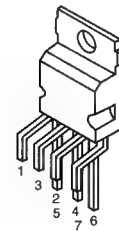
SE135N-LF12



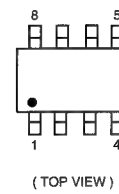
STR-S6708



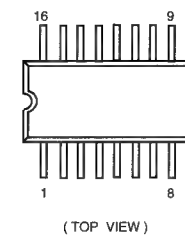
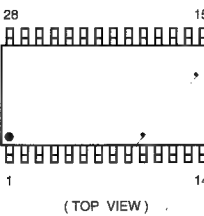
STV9379



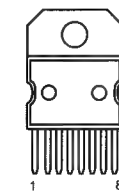
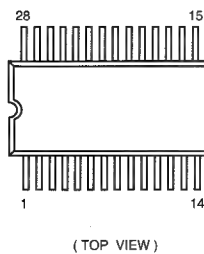
ST24E32M6



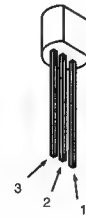
TDA4665T

TDA6612-5X-GEG  
TDA6622-5X-GEG

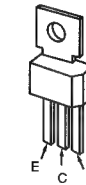
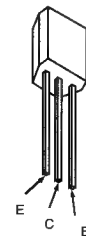
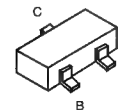
TDA7264

TDA9813T  
TDA9814T/V2

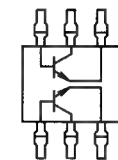
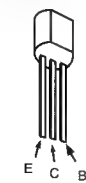
TL750L05CLPR



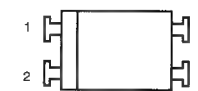
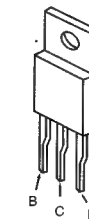
BF871

DTA144ES  
DTC114ES  
DTC143TS  
DTC144ESDTC114EK  
DTC123EK  
DTC144EK  
2SA1037K  
2SA1162-G  
2SC2412K

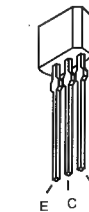
IMX1

JA101  
JC501  
2SA1091-O  
2SA733-K  
2SC2389S-R  
2SC2808S-R

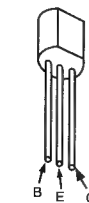
TLP721-GR

2SA1667  
2SC3852A2SB1186A  
2SC4793  
2SD1763A2SB1357EF  
2SC2688-LK

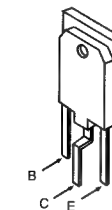
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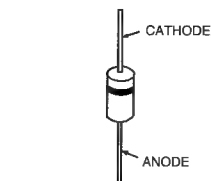
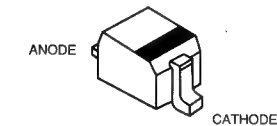
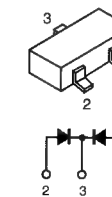
2SC3779C



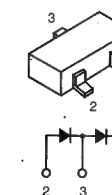
2SC4927-01



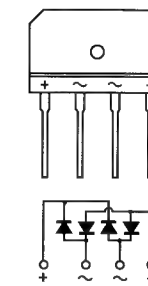
2SD2096-EF

AU-01Z-V1 GP08D  
EGP20G RGP02  
EL1Z RGP10GPKG23  
EM1-V1 RGP15GPKG23  
EU-1-V1 RU3YX  
EU-1Z RU4  
FML-G12SBAS216  
DTZ33B  
MA8330  
1SS355  
1SV214DAN202K  
UMZ12N

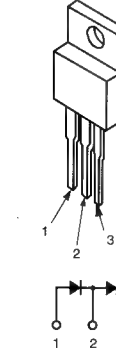
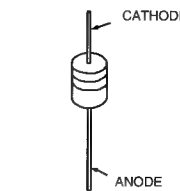
DA204K



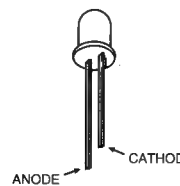
D4SB60L



FMS-3FU

MTZJ-3.6A MTZJ-9.1C  
MTZJ-3.9B RD3.9ESB2  
MTZJ-4.7B RD5.1ESB2  
MTZJ-5.1B RD5.6ESB2  
MTZJ-5.6B RD6.8ESB2  
MTZJ-6.8C RD7.5ESB2  
MTZJ-7.5C RD9.1ESB3  
MTZJ-9.1 1SS133

SLA-570KT3F






## SECTION 6


### EXPLODED VIEWS

**NOTE :**

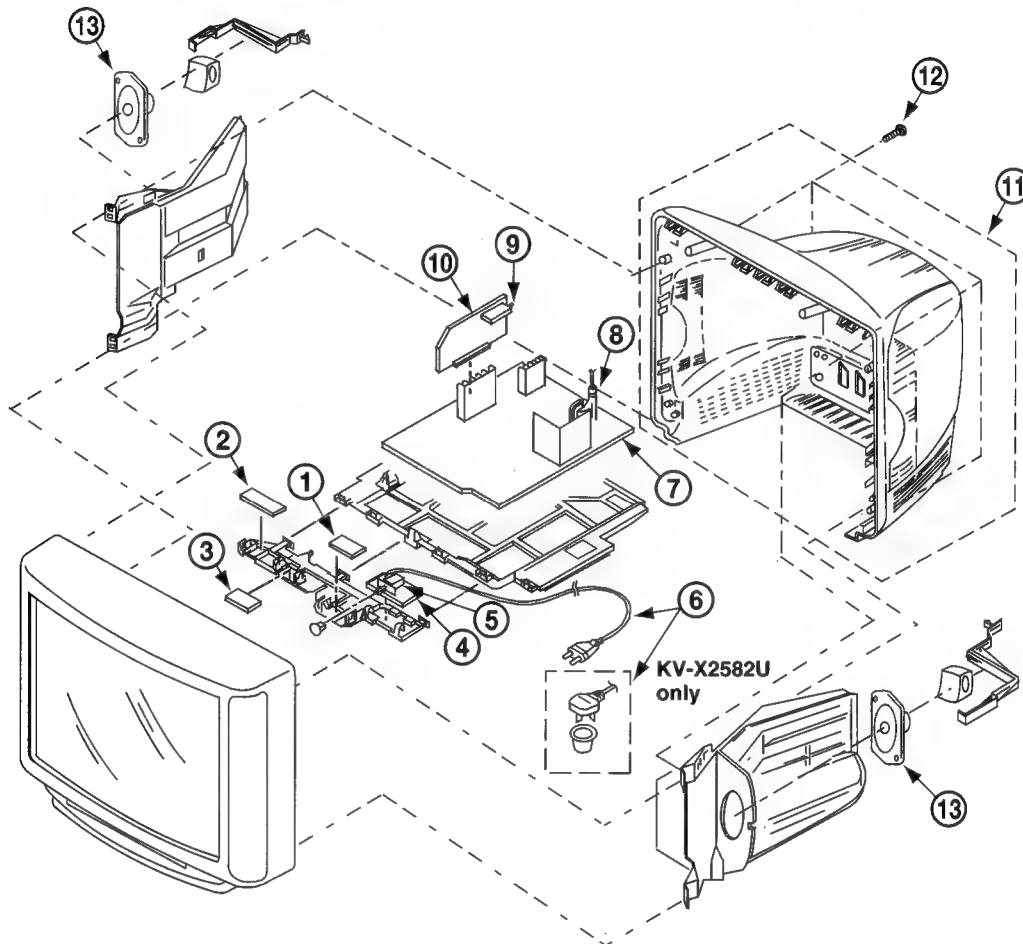
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.






The components identified by shading and marked  are critical for safety.

Replace only with the part number specified.

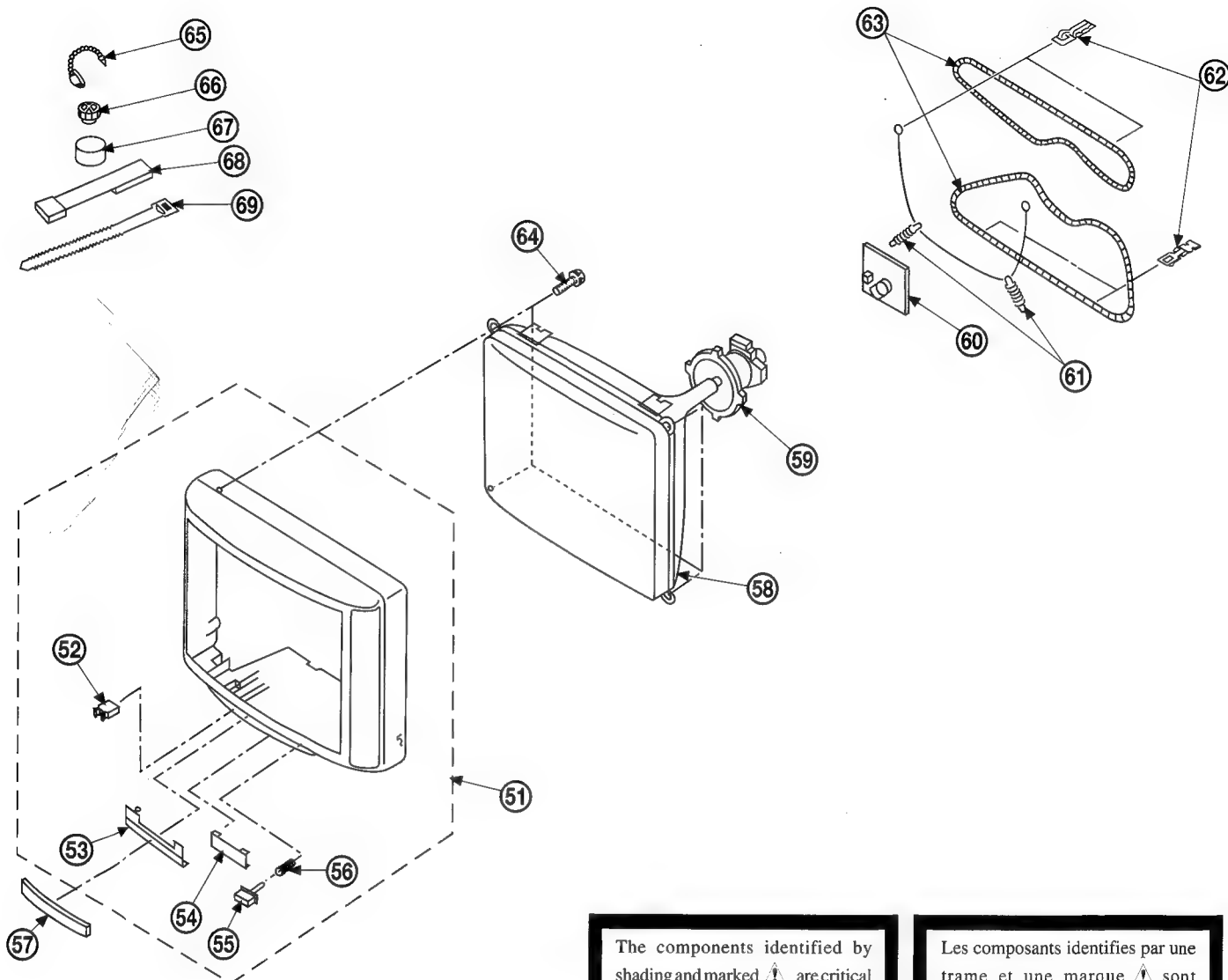
Les composants identifiés par une trame et une marque  sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

**6-1. CHASSIS**

REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
1	*1-656-733-11	H2 BOARD		9	1-693-184-11	TUNER (U944C)	(KV-X2582U)
2	*1-656-732-11	H1 BOARD			1-693-185-11	TUNER (UV916H)	(EXCEPT KV-X2582U)
3	*1-656-734-11	H3 BOARD		10	*A-1632-266-A	A BOARD, COMPLETE	(KV-X2581D)
4	*1-656-735-11	F1 BOARD			*A-1632-275-A	A BOARD, COMPLETE	(KV-X2582U)
5	 1-571-433-11	SWITCH, PUSH (AC POWER)			*A-1632-276-A	A BOARD, COMPLETE	(KV-X2583B)
6	 1-590-460-11	CORD, POWER (WITH CONNECTOR)			*A-1632-277-A	A BOARD, COMPLETE	(KV-X2583E)
		1.0A/250V (KV-X2583B/X2583E/X2581K)			*A-1632-278-A	A BOARD, COMPLETE	(KV-X2581A)
	 1-590-762-11	CORD, POWER (WITH PLUG)			*A-1632-279-A	A BOARD, COMPLETE	(KV-X2581K)
		2.5A/250V (KV-X2582U)		11	X-4200-187-1	COVER ASSY, REAR (SC)	
	 1-751-680-11	CORD, POWER (WITH NOISE FILTER)		12	4-039-358-01	SCREW (4x16), (+) BV TAPPING	
		2.5A/250V (KV-X2581A/X2581D)		13	1-504-819-11	SPEAKER	
7	*A-1640-169-A	D BOARD, COMPLETE					
8	 1-453-169-11	TRANSFORMER ASSY, FLVBACK (UX-1604A2)					

## 6-2. PICTURE TUBE



The components identified by shading and marked  $\Delta$  are critical for safety.

Replace only with the part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
51	X-4200-186-1	BEZNET ASSY	52 - 56	61	4-200-433-01	SPRING, EXTENSION	
52	4-392-036-01	CATCHER, PUSH		62	4-202-463-01	CLIP, DGC (25")	
53	4-202-642-01	DOOR		63	$\Delta$ 1-406-805-21	COIL, DEGAUSSING	
54	4-202-643-01	WINDOW, ORNAMENTAL		64	4-036-188-01	SCREW (M), PT	
55	4-202-637-01	BUTTON, POWER		65	4-308-870-00	CLIP, LEAD WIRE	
56	4-329-112-51	SPRING		66	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
57	4-202-644-01	ORNAMENT, DOOR		67	1-452-032-00	MAGNET, DISK; 10MM Ø	
58	$\Delta$ 8-733-219-05	PICTURE TUBE (SD-257) (M60LCS60X)		68	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
59	$\Delta$ 8-451-404-21	DEFLECTION YOKE (Y25Q2A)		69	3-701-007-00	BAND, BINDING	
60	*A-1638-061-A	C BOARD, COMPLETE					

## SECTION 7

### ELECTRICAL PARTS LIST

The components identified by shading and marked **A** are critical for safety.  
Replace only with the part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

#### RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

#### CAPACITORS

MF : mF, PF : mmF

#### COILS

MMH : mH,  $\mu$ H :  $\mu$ H

F1

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*1-656-735-11	F1 BOARD *****		C19	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
		< CONNECTOR >		C21	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
CN503	*1-580-844-11	PIN, CONNECTOR (POWER)		C22	1-164-005-11	CERAMIC CHIP 0.47MF	25V
CN504	*1-695-292-11	PIN, CONNECTOR (POWER)		C23	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
		< FUSE >		C24	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
F501	*1-576-232-21	FUSE (H.B.C.) (5A/250V)		C30	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	1-533-230-11	HOLDER, FUSE ; F601		C101	1-124-927-11	ELECT 4.7MF	20% 50V
		< SWITCH >			1-126-233-11	ELECT 4.7MF	20% 50V (KV-X2583B)
S601	*1-571-431-11	SWITCH, PUSH (AC POWER)				(KV-X2581A/X2581D/X2583E/X2581K/X2582U)	
*****				C102	1-126-966-11	ELECT 33MF	20% 50V
	*A-1632-266-A	A BOARD, COMPLETE (KV-X2581D)		C103	1-126-966-11	ELECT 33MF	20% 50V
		*****		C104	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
	*A-1632-275-A	A BOARD, COMPLETE (KV-X2582U)		C105	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
		*****		C106	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
	*A-1632-276-A	A BOARD, COMPLETE (KV-X2583B)		C107	1-164-346-11	CERAMIC CHIP 1MF	16V
		*****		C108	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
	*A-1632-277-A	A BOARD, COMPLETE (KV-X2583E)		C109	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
		*****		C112	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
	*A-1632-278-A	A BOARD, COMPLETE (KV-X2581A)		C113	1-124-126-00	ELECT 47MF	20% 16V
		*****		C114	1-164-346-11	CERAMIC CHIP 1MF	16V
	*A-1632-279-A	A BOARD, COMPLETE (KV-X2581K)		C115	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
		*****		C117	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C118	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
				C119	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
TP1	*1-535-084-00	1P TERMINAL PIN		C120	1-164-337-11	CERAMIC CHIP 2.2MF	16V
		< CAPACITOR >		C121	1-124-126-00	ELECT 47MF	20% 16V
C1	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C122	1-124-126-00	ELECT 47MF	20% 16V
C2	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C123	1-163-090-00	CERAMIC CHIP 7PF	0.25PF 50V
C3	1-126-964-11	ELECT 10MF	20% 50V	C124	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C4	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C125	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C7	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C126	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C8	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C127	1-126-966-11	ELECT 33MF	20% 50V
C9	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C128	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C10	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C129	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C11	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C130	1-216-295-91	METAL GLAZE 0	5% 1/10W
C12	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C131	1-124-126-00	ELECT 47MF	20% 16V
C13	1-126-933-11	ELECT 100MF	20% 16V	C132	1-124-126-00	ELECT 47MF	20% 16V
C15	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	C134	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C16	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C135	1-124-126-00	ELECT 47MF	20% 16V
C17	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C137	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C18	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C139	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
				C142	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
				C143	1-126-101-11	ELECT 100MF	20% 16V (KV-X2583B)

## KV-X258

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C144	1-162-638-00	CERAMIC CHIP 1MF	16V	C309	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C145	1-163-093-00	CERAMIC CHIP 10PF	5% 50V	C310	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C146	1-163-093-00	CERAMIC CHIP 10PF	5% 50V				
C149	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V (KV-X2581K)	C311	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	1-216-295-91	METAL GLAZE 0	5% 1/10W	C312	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
		(KV-X2581A/X2583B/X2581D/X2583E/X2582U)		C313	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C152	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C314	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C153	1-164-337-11	CERAMIC CHIP 2.2MF	16V	C315	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C154	1-163-105-00	CERAMIC CHIP 33PF	5% 50V (KV-X2583B)	C316	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	1-163-109-00	CERAMIC CHIP 47PF	5% 50V (KV-X2582U)	C318	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	1-163-113-00	CERAMIC CHIP 68PF	5% 50V (KV-X2581A/X2581D/X2583E/X2581K)	C320	1-124-126-00	ELECT 47MF	20% 16V
C155	1-163-093-00	CERAMIC CHIP 10PF	5% 50V (KV-X2581A/X2581D/X2583E/X2581K)	C321	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C157	1-163-105-00	CERAMIC CHIP 33PF	5% 50V (KV-X2581A/X2581D/X2583E/X2581K)	C322	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
	1-163-113-00	CERAMIC CHIP 68PF	5% 50V (KV-X2583B)	C323	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	1-163-117-00	CERAMIC CHIP 100PF	5% 50V (KV-X2582U)	C324	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C160	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C325	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C162	1-163-022-00	CERAMIC CHIP 0.012MF	10% 50V (KV-X2583B)	C326	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
C163	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V (KV-X2583B)	C327	1-136-165-00	FILM 0.1MF	5% 50V
C164	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C328	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C165	1-126-933-11	ELECT 100MF	20% 16V	C329	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C201	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C330	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C202	1-163-137-00	CERAMIC CHIP 680PF	5% 50V	C331	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V
C203	1-126-964-11	ELECT 10MF	20% 50V	C332	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C204	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	C334	1-163-016-00	CERAMIC CHIP 0.0039MF	10% 50V
C205	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C335	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C206	1-164-346-11	CERAMIC CHIP 1MF	16V	C336	1-126-933-11	ELECT 100MF	20% 16V
C207	1-137-613-11	FILM 0.0018MF	2% 100V (KV-X2581A/X2583B/X2581D/X2583E/X2581K)	C337	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
C208	1-164-346-11	CERAMIC CHIP 1MF	16V	C338	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C209	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	C339	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C210	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C342	1-126-964-11	ELECT 10MF	20% 50V
C211	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C346	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C212	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C347	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C215	1-163-023-00	CERAMIC CHIP 0.015MF	10% 50V	C348	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C216	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	C349	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C219	1-163-023-00	CERAMIC CHIP 0.015MF	10% 50V	C350	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V
C220	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	C351	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C221	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C352	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C222	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C353	1-124-126-00	ELECT 47MF	20% 16V
C225	1-130-489-00	FILM 0.033MF	5% 50V	C355	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C226	1-130-489-00	FILM 0.033MF	5% 50V	C359	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C227	1-163-020-00	CERAMIC CHIP 0.0082MF	10% 50V	C361	1-126-964-11	ELECT 10MF	20% 50V
C228	1-163-020-00	CERAMIC CHIP 0.0082MF	10% 50V	C362	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C229	1-164-346-11	CERAMIC CHIP 1MF	16V	C363	1-163-101-00	CERAMIC CHIP 22PF	5% 50V (KV-X2583B/X2581D/X2581K)
C301	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C365	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C302	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C382	1-126-964-11	ELECT 10MF	20% 50V
C303	1-163-131-11	CERAMIC CHIP 390PF	5% 50V	C383	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C305	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C399	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C306	1-126-933-11	ELECT 100MF	20% 16V	C401	1-124-126-00	ELECT 47MF	20% 16V
C307	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C402	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C308	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C403	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
				C404	1-124-126-00	ELECT 47MF	20% 16V
				C406	1-126-964-11	ELECT 10MF	20% 50V
				C407	1-164-346-11	CERAMIC CHIP 1MF	16V
				C409	1-164-005-11	CERAMIC CHIP 0.47MF	25V
				C410	1-164-005-11	CERAMIC CHIP 0.47MF	25V
				C411	1-124-126-00	ELECT 47MF	20% 16V
				C418	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
				C420	1-216-295-91	METAL GLAZE 0	5% 1/10W
				C421	1-126-966-11	ELECT 33MF	20% 50V
				C422	1-163-121-00	CERAMIC CHIP 150PF	5% 50V



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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C423	1-124-126-00	ELECT 47MF	20% 16V	< C1111 - C1139 FITTED ON >			
C425	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	< KV-X2583B/X2583E/X2582U >			
C426	1-164-346-11	CERAMIC CHIP 1MF	16V	C1111	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
C427	1-124-126-00	ELECT 47MF	20% 16V	C1112	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
C428	1-164-346-11	CERAMIC CHIP 1MF	16V	C1113	1-163-137-00	CERAMIC CHIP 680PF	5% 50V
C429	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C1116	1-124-126-00	ELECT 47MF	20% 16V
C430	1-124-126-00	ELECT 47MF	20% 16V	C1117	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C431	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C1118	1-124-126-00	ELECT 47MF	20% 16V
C432	1-124-126-00	ELECT 47MF	20% 16V	C1119	1-124-126-00	ELECT 47MF	20% 16V
C433	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C1120	1-163-137-00	CERAMIC CHIP 680PF	5% 50V
C434	1-164-346-11	CERAMIC CHIP 1MF	16V	C1122	1-124-126-00	ELECT 47MF	20% 16V
C435	1-126-933-11	ELECT 100MF	20% 16V	C1123	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C436	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C1124	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C437	1-164-346-11	CERAMIC CHIP 1MF	16V	C1125	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V
C438	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C1126	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C445	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C1127	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C1002	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C1128	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C1003	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C1129	1-162-568-11	CERAMIC CHIP 0.33MF	25V
C1004	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	C1130	1-124-903-11	ELECT 1MF	20% 50V
C1005	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C1131	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1006	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C1132	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1007	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C1133	1-124-126-00	ELECT 47MF	20% 16V
C1008	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C1134	1-126-964-11	ELECT 10MF	20% 50V
C1009	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	C1135	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C1011	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C1136	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1013	1-164-346-11	CERAMIC CHIP 1MF	16V	C1137	1-163-095-00	CERAMIC CHIP 12PF	5% 50V
C1015	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C1139	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C1016	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	< FILTER >			
C1018	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF101	1-760-154-11	TRAP, CERAMIC (KV-X2581A/X2583B/X2581D/X2583E/X2581K)	
C1019	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF102	1-409-333-00	TRAP, CERAMIC (6.0MHZ) (KV-X2582U)	
C1020	1-126-233-11	ELECT 22MF	20% 50V		1-409-430-11	TRAP, CERAMIC (KV-X2583B)	
C1021	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		1-404-134-00	TRAP, CERAMIC (5.5MHZ) (KV-X2581A/X2581D/X2583E/X2581K)	
C1024	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	CF103	1-760-106-11	FILTER, CERAMIC (KV-X2581A/X2583B/X2581D/X2583E/X2581K)	
C1025	1-124-126-00	ELECT 47MF	20% 16V	CF104	1-567-100-00	FILTER, CERAMIC (KV-X2583B/X2582U)	
C1026	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		1-567-101-11	FILTER, CERAMIC (KV-X2581D/X2581K)	
C1027	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF106	1-760-107-11	FILTER, CERAMIC (KV-X2581A/X2583B/X2581D/X2583E/X2581K)	
C1028	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF107	1-760-449-21	FILTER, CERAMIC (KV-X2581K)	
C1029	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	SWF101	1-579-273-11	FILTER, SURFACE WAVE (KV-X2581A/X2583B/X2581D/X2583E/X2581K)	
C1030	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		1-760-330-11	FILTER, SURFACE WAVE (KV-X2582U)	
C1031	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	SWF102	1-760-244-11	FILTER, SURFACE WAVE (KV-X2583B)	
C1032	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		1-760-329-11	FILTER, SURFACE WAVE (KV-X2581A/X2581D/X2583E/X2581K/X2582U)	
C1033	1-126-964-11	ELECT 10MF	20% 50V	< CONNECTOR >			
C1034	1-164-346-11	CERAMIC CHIP 1MF	16V	CN001	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
< C1101 - C1108 FITTED ON >				CN002	*1-568-882-51	PIN, CONNECTOR 7P	
< KV-X2583B/X2583E/X2582U >				CN003	*1-568-879-11	PIN, CONNECTOR 4P	
C1101	1-163-131-00	CERAMIC CHIP 390PF	5% 50V	< DIODE >			
C1102	1-163-093-00	CERAMIC CHIP 10PF	5% 50V	D6	8-719-047-41	DIODE UMZ12N-T106	
C1103	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D7	8-719-988-62	DIODE ISS355	
C1104	1-126-964-11	ELECT 10MF	20% 50V	D9	8-719-988-62	DIODE ISS355	
C1105	1-126-964-11	ELECT 10MF	20% 50V	D11	8-719-988-62	DIODE ISS355	
C1106	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D101	8-719-977-81	DIODE DTZ33B	
C1107	1-124-126-00	ELECT 47MF	20% 16V	D102	8-719-914-43	DIODE DAN202K (KV-X2583B)	
C1108	1-126-964-11	ELECT 10MF	20% 50V				
C1110	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V (KV-X2582U)				
	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V (KV-X2583B)				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D103	8-719-914-43	DIODE DAN202K (KV-X2583B/X2581D)		L103	1-408-609-41	INDUCTOR	33UH
	1-216-295-91	METAL GLAZE 0	5% 1/10W	L104	1-414-170-11	INDUCTOR CHIP	100UH (KV-X2583B)
			(KV-X2581K)	L105	1-408-406-00	INDUCTOR	5.6UH (KV-X2583B)
D108	8-719-914-43	DIODE DAN202K (KV-X2581K)			1-408-410-00	INDUCTOR	12UH
D201	8-719-914-42	DIODE DA204K			(KV-X2581A/X2581D/X2583E/X2581K/X2582U)		
D301	8-719-988-62	DIODE 1SS355		L106	1-412-011-31	INDUCTOR CHIP	27UH
D303	8-719-988-62	DIODE 1SS355		L107	1-410-985-11	INDUCTOR CHIP	0.22UH
D304	8-719-988-62	DIODE 1SS355		L108	1-408-409-00	INDUCTOR	10UH (KV-X2582U)
D305	8-719-988-62	DIODE 1SS355			1-408-414-00	INDUCTOR	27UH (KV-X2583B)
					1-408-609-41	INDUCTOR	33UH
D314	8-719-047-16	DIODE BAS216			(KV-X2581A/X2581D/X2583E/X2581K)		
D315	8-719-988-62	DIODE 1SS355		L109	1-412-010-41	INDUCTOR CHIP	22UH
D380	1-216-295-91	METAL GLAZE 0	5% 1/10W	L110	1-412-004-31	INDUCTOR CHIP	6.8UH
D401	8-719-047-41	DIODE UMZ12N-T106		L111	1-414-170-11	INDUCTOR CHIP	100UH
D402	8-719-047-41	DIODE UMZ12N-T106		L112	1-410-200-31	INDUCTOR CHIP	4.7UH
D404	8-719-047-41	DIODE UMZ12N-T106		L201	1-410-067-21	INDUCTOR	4.7MMH
D405	8-719-047-41	DIODE UMZ12N-T106			(KV-X2581A/X2583B/X2581D/X2583E/X2581K)		
D406	8-719-047-41	DIODE UMZ12N-T106		L307	1-408-609-41	INDUCTOR	33UH
D407	8-719-047-41	DIODE UMZ12N-T106		L308	1-408-424-00	INDUCTOR	180UH
D408	8-719-047-41	DIODE UMZ12N-T106		L309	1-408-424-00	INDUCTOR	180UH
D409	8-719-047-41	DIODE UMZ12N-T106		L310	1-408-407-00	INDUCTOR	6.8UH
D410	8-719-047-41	DIODE UMZ12N-T106		L313	1-216-295-91	METAL GLAZE 0	5% 1/10W
D411	8-719-047-41	DIODE UMZ12N-T106		L315	1-412-008-11	INDUCTOR CHIP	15UH
D1002	8-719-914-43	DIODE DAN202K		L401	1-410-214-31	INDUCTOR CHIP	68UH
D1101	8-719-988-62	DIODE 1SS355 (KV-X2583B/X2583E/X2582U)		L1001	1-408-419-00	INDUCTOR CHIP	6.8UH
D1102	8-719-820-71	DIODE 1SV214 (KV-X2583B/X2583E/X2582U)		L1002	1-408-419-00	INDUCTOR CHIP	6.8UH
	< IC >			L1003	1-410-999-11	INDUCTOR CHIP	3.3UH
IC001	8-752-863-45	IC CXP85340A-SVS190-TL		L1101	1-412-004-31	INDUCTOR CHIP	6.8UH
		(KV-X2581A/X2583B/X2581D/X2581K)			(KV-X2583B/X2583E/X2582U)		
	8-752-864-34	IC CXP85340A-SV5190-TL			< TRANSISTOR >		
		(KV-X2583E/X2582U)		Q4	8-729-901-01	TRANSISTOR DTC144EK	
IC002	8-759-334-20	IC ST24E32M6TR		Q8	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC003	8-759-041-54	IC MN1382S		Q11	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC101	8-759-277-66	IC TDA9814T/V2 (KV-X2583B)		Q12	8-729-920-74	TRANSISTOR 2SC2412K-QR	
	8-759-289-18	IC TDA9813T		Q14	8-729-920-74	TRANSISTOR 2SC2412K-QR	
		(KV-X2581A/X2581D/X2583E/X2581K/X2582U)		Q102	8-729-022-54	TRANSISTOR 2SC3779C, D-AA	
IC201	8-759-252-12	IC TDA6622-5X-GEG (KV-X2582U)		Q103	8-729-900-53	TRANSISTOR DTC114EK (KV-X2583B)	
	8-759-252-14	IC TDA6612-5X-GEG		Q104	8-729-900-53	TRANSISTOR DTC114EK (KV-X2583B)	
		(KV-X2581A/X2583B/X2581D/X2583E/X2581K)		Q105	8-729-900-53	TRANSISTOR DTC114EK (KV-X2583B)	
IC202	8-759-514-57	IC BA7046F		Q107	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC301	8-759-251-57	IC TDA8366T		Q108	8-729-907-26	TRANSISTOR IMX1	
IC302	8-759-288-85	IC TDA4665T		Q109	8-729-907-26	TRANSISTOR IMX1	
IC303	8-759-251-56	IC TDA8395T (KV-X2583B/X2581D/X2581K)		Q114	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC401	8-752-069-53	IC CXA1855Q		Q116	8-729-901-01	TRANSISTOR DTC144EK (KV-X2583B/X2581D)	
IC1001	8-759-295-92	IC CF72416DW-R		Q117	8-729-901-01	TRANSISTOR DTC144EK (KV-X2583B/X2581D)	
IC1002	8-759-252-10	IC CF70200FN R/C		Q120	8-729-216-22	TRANSISTOR 2SA1162-G	
	8-759-296-78	IC CF70205FN R/B		Q121	8-729-216-22	TRANSISTOR 2SA1162-G (KV-X2583B)	
		(KV-X2581A/X2583B/X2581D/X2583E/X2581K)		Q123	8-729-901-01	TRANSISTOR DTC144EK	
IC1003	8-759-300-71	IC HD14053BFP		Q124	8-729-901-01	TRANSISTOR DTC144EK	
IC1101	8-759-251-58	IC SAA7283T (KV-X2583B/X2583E/X2582U)		Q125	8-729-900-53	TRANSISTOR DTC114EK (KV-X2583B)	
	< SOCKET >			Q126	8-729-901-01	TRANSISTOR DTC144EK (KV-X2581K)	
J401	1-766-296-11	CONNECTOR, DUAL SCART		Q127	8-729-901-01	TRANSISTOR DTC144EK (KV-X2581K)	
	< COIL >			Q128	8-729-901-01	TRANSISTOR DTC144EK (KV-X2581K)	
L1	1-410-385-11	INDUCTOR CHIP	22UH	Q130	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L100	1-410-989-11	INDUCTOR CHIP	0.47UH	Q131	8-729-216-22	TRANSISTOR 2SA1162-G	
L101	1-408-609-41	INDUCTOR	33UH	Q132	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L102	1-410-214-31	INDUCTOR CHIP	68UH	Q133	8-729-920-74	TRANSISTOR 2SC2412K-QR	
				Q134	8-729-900-53	TRANSISTOR DTC114EK	
				Q301	8-729-901-01	TRANSISTOR DTC114EK	
				Q304	8-729-920-74	TRANSISTOR 2SC2412K-QR	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q312	8-729-920-74	TRANSISTOR 2SC2412K-QR		JR202	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-X2581A/X2581D/X2581K)	
Q313	8-729-920-74	TRANSISTOR 2SC2412K-QR		JR302	1-216-295-91	METAL GLAZE 0 5% 1/10W	
Q314	8-729-900-53	TRANSISTOR DTC114EK		JR401	1-216-295-91	METAL GLAZE 0 5% 1/10W	
Q380	8-729-920-74	TRANSISTOR 2SC2412K-QR		JR402	1-216-295-91	METAL GLAZE 0 5% 1/10W	
Q381	8-729-920-74	TRANSISTOR 2SC2412K-QR					
Q401	8-729-920-74	TRANSISTOR 2SC2412K-QR		JR403	1-216-295-91	METAL GLAZE 0 5% 1/10W	
Q402	8-729-920-74	TRANSISTOR 2SC2412K-QR		JR408	1-216-295-91	METAL GLAZE 0 5% 1/10W	
Q403	8-729-920-74	TRANSISTOR 2SC2412K-QR		JR1004	1-216-295-91	METAL GLAZE 0 5% 1/10W	
Q404	8-729-920-74	TRANSISTOR 2SC2412K-QR					
Q406	8-729-216-22	TRANSISTOR 2SA1162-G		R6	1-216-025-00	METAL GLAZE 100 5% 1/10W	
				R20	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q407	8-729-920-65	TRANSISTOR DTC123EK		R21	1-216-033-00	METAL GLAZE 220 5% 1/10W	
Q408	8-729-920-74	TRANSISTOR 2SC2412K-QR		R24	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
Q1001	8-729-920-74	TRANSISTOR 2SC2412K-QR		R25	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
< RESISTOR >							
JR3	1-216-295-91	METAL GLAZE 0 5% 1/10W		R26	1-126-194-00	METAL GLAZE 100 5% 1/8W	
JR8	1-216-295-91	METAL GLAZE 0 5% 1/10W		R27	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
JR9	1-216-295-91	METAL GLAZE 0 5% 1/10W		R29	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR10	1-216-295-91	METAL GLAZE 0 5% 1/10W		R31	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR12	1-216-295-91	METAL GLAZE 0 5% 1/10W		R33	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
JR13	1-216-295-91	METAL GLAZE 0 5% 1/10W					
JR14	1-216-295-91	METAL GLAZE 0 5% 1/10W		R35	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
JR15	1-216-295-91	METAL GLAZE 0 5% 1/10W		R37	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR16	1-216-295-91	METAL GLAZE 0 5% 1/10W		R38	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR17	1-216-295-91	METAL GLAZE 0 5% 1/10W		R41	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR18	1-216-295-91	METAL GLAZE 0 5% 1/10W		R42	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR19	1-216-295-91	METAL GLAZE 0 5% 1/10W					
JR22	1-216-295-91	METAL GLAZE 0 5% 1/10W		R43	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR25	1-412-006-31	INDUCTOR CHIP 10UH		R44	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
JR26	1-412-006-31	INDUCTOR CHIP 10UH		R46	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR28	1-216-296-00	METAL GLAZE 0 5% 1/8W		R47	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR29	1-412-006-31	INDUCTOR CHIP 10UH		R49	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR51	1-216-296-00	METAL GLAZE 0 5% 1/8W					
JR52	1-216-295-91	METAL GLAZE 0 5% 1/10W		R50	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR55	1-216-296-00	METAL GLAZE 0 5% 1/8W		R51	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR56	1-216-296-00	METAL GLAZE 0 5% 1/8W		R52	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR59	1-216-296-00	METAL GLAZE 0 5% 1/8W		R53	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR60	1-216-296-00	METAL GLAZE 0 5% 1/8W		R54	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
JR61	1-216-296-00	METAL GLAZE 0 5% 1/8W					
JR62	1-216-296-00	METAL GLAZE 0 5% 1/8W		R55	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR65	1-216-296-00	METAL GLAZE 0 5% 1/8W		R56	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR69	1-216-296-00	METAL GLAZE 0 5% 1/8W		R57	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR70	1-216-296-00	METAL GLAZE 0 5% 1/8W		R58	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR71	1-216-296-00	METAL GLAZE 0 5% 1/8W		R59	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
JR113	1-216-295-91	METAL GLAZE 0 5% 1/10W					
JR115	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-X2581K)		R60	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR120	1-216-295-91	METAL GLAZE 0 5% 1/10W		R61	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR122	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-X2581A/X2581D/X2583E/X2581K/X2582U)		R62	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR123	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-X2581A/X2581D/X2583E/X2581K/X2582U)		R63	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR124	1-216-295-91	METAL GLAZE 0 5% 1/10W		R64	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JR125	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-X2583B/X2581D/X2581K/X2582U)					
JR126	1-216-295-91	METAL GLAZE 0 5% 1/10W		R66	1-216-033-00	METAL GLAZE 220 5% 1/10W	
JR127	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-X2582U)		R67	1-216-025-00	METAL GLAZE 100 5% 1/10W	
JR201	1-216-295-91	METAL GLAZE 0 5% 1/10W (KV-X2581A/X2581D/X2581K)		R68	1-216-025-00	METAL GLAZE 100 5% 1/10W	
				R69	1-216-025-00	METAL GLAZE 100 5% 1/10W	
				R70	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
				R71	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
				R72	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
				R73	1-216-677-11	METAL CHIP 12K 0.50% 1/10W	
				R75	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
				R76	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
				R77	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
				R78	1-216-037-00	METAL GLAZE 330 5% 1/10W	
				R79	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
				R82	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
				R83	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
				R84	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
				R85	1-216-025-00	METAL GLAZE 100 5% 1/10W	


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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R203	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R387	1-216-041-00	METAL GLAZE	470 5% 1/10W
R204	1-216-025-00	METAL GLAZE	100 5% 1/10W	R388	1-216-041-00	METAL GLAZE	470 5% 1/10W
R205	1-216-025-00	METAL GLAZE	100 5% 1/10W	R389	1-216-041-00	METAL GLAZE	470 5% 1/10W
R206	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R390	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R207	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R392	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R210	1-216-025-00	METAL GLAZE	100 5% 1/10W	R393	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R211	1-216-025-00	METAL GLAZE	100 5% 1/10W	R401	1-216-039-00	METAL GLAZE	390 5% 1/10W
R213	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R402	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R216	1-216-685-11	METAL CHIP	27K 0.50% 1/10W	R403	1-216-039-00	METAL GLAZE	390 5% 1/10W
R217	1-216-031-00	METAL GLAZE	180 5% 1/10W	R404	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R219	1-216-025-00	METAL GLAZE	100 5% 1/10W	R405	1-216-039-00	METAL GLAZE	390 5% 1/10W
R220	1-216-174-00	METAL GLAZE	100 5% 1/8W	R406	1-216-039-00	METAL GLAZE	390 5% 1/10W
R221	1-216-025-00	METAL GLAZE	100 5% 1/10W	R407	1-216-198-91	METAL GLAZE	1K 5% 1/8W
R222	1-216-025-00	METAL GLAZE	100 5% 1/10W	R408	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R223	1-216-029-00	METAL GLAZE	150 5% 1/10W	R409	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R224	1-216-025-00	METAL GLAZE	100 5% 1/10W	R410	1-216-025-00	METAL GLAZE	100 5% 1/10W
R301	1-216-025-00	METAL GLAZE	100 5% 1/10W	R413	1-216-033-00	METAL GLAZE	220 5% 1/10W
R302	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R415	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R303	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R417	1-216-033-00	METAL GLAZE	220 5% 1/10W
R305	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R419	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R308	1-216-025-00	METAL GLAZE	100 5% 1/10W	R420	1-216-033-00	METAL GLAZE	220 5% 1/10W
R309	1-216-025-00	METAL GLAZE	100 5% 1/10W	R421	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R311	1-216-025-00	METAL GLAZE	100 5% 1/10W	R422	1-216-022-00	METAL GLAZE	75 5% 1/10W
R313	1-216-025-00	METAL GLAZE	100 5% 1/10W	R423	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R315	1-216-025-00	METAL GLAZE	100 5% 1/10W	R424	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R316	1-216-025-00	METAL GLAZE	100 5% 1/10W	R425	1-216-022-00	METAL GLAZE	75 5% 1/10W
R317	1-216-025-00	METAL GLAZE	100 5% 1/10W	R426	1-216-025-00	METAL GLAZE	100 5% 1/10W
R318	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R427	1-216-188-00	METAL GLAZE	390 5% 1/8W
R319	1-216-025-00	METAL GLAZE	100 5% 1/10W	R429	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R320	1-216-025-00	METAL GLAZE	100 5% 1/10W	R430	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R321	1-216-025-00	METAL GLAZE	100 5% 1/10W	R431	1-216-188-00	METAL GLAZE	390 5% 1/8W
R322	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R432	1-216-039-00	METAL GLAZE	390 5% 1/10W
R326	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R433	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R327	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R434	1-216-025-00	METAL GLAZE	100 5% 1/10W
R328	1-216-025-00	METAL GLAZE	100 5% 1/10W	R435	1-216-039-00	METAL GLAZE	390 5% 1/10W
R329	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R436	1-216-022-00	METAL GLAZE	75 5% 1/10W
R330	1-216-033-00	METAL GLAZE	220 5% 1/10W	R437	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R331	1-216-033-00	METAL GLAZE	220 5% 1/10W	R438	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R332	1-216-033-00	METAL GLAZE	220 5% 1/10W	R439	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R333	1-216-689-11	METAL CHIP	39K 0.50% 1/10W	R440	1-216-025-00	METAL GLAZE	100 5% 1/10W
R340	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R441	1-216-022-00	METAL GLAZE	75 5% 1/10W
R341	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R442	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R342	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R443	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R352	1-216-123-11	METAL GLAZE	1.2M 5% 1/10W	R444	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R354	1-216-025-00	METAL GLAZE	100 5% 1/10W	R445	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R355	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R446	1-216-025-00	METAL GLAZE	100 5% 1/10W
R356	1-216-025-00	METAL GLAZE	100 5% 1/10W	R447	1-216-025-00	METAL GLAZE	100 5% 1/10W
R364	1-216-041-00	METAL GLAZE	470 5% 1/10W	R448	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R365	1-216-027-00	METAL GLAZE	120 5% 1/10W	R449	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R370	1-216-033-00	METAL GLAZE	220 5% 1/10W	R454	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R371	1-216-033-00	METAL GLAZE	220 5% 1/10W	R458	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R372	1-216-033-00	METAL GLAZE	220 5% 1/10W	R461	1-216-019-00	METAL GLAZE	56 5% 1/10W
R373	1-216-041-00	METAL GLAZE	470 5% 1/10W				(KV-X2582U)
R380	1-216-222-00	METAL GLAZE	10K 5% 1/8W		1-216-022-00	METAL GLAZE	75 5% 1/10W
R381	1-216-025-00	METAL GLAZE	100 5% 1/10W				(KV-X2581A/X2583B/X2581D/X2583E/X2581K)
R382	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R464	1-216-034-00	METAL GLAZE	240 5% 1/10W
R383	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R465	1-216-025-00	METAL GLAZE	100 5% 1/10W
R384	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R473	1-216-022-00	METAL GLAZE	75 5% 1/10W
R385	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R474	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R386	1-216-041-00	METAL GLAZE	470 5% 1/10W	R482	1-216-073-00	METAL GLAZE	10K 5% 1/10W

**A****C**

Les composants identifiés par  
une trame et une marque   
sont critiques pour la sécurité.  
Ne les remplacer que par une  
pièce portant le numéro spécifié.

The components identified by  
shading and marked  are critical  
for safety.  
Replace only with the part number  
specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R483	1-216-029-00	METAL GLAZE 150 5%	1/10W	< VARIABLE RESISTOR >			
R484	1-216-025-00	METAL GLAZE 100 5%	1/10W	RV102	1-241-765-11	RES, ADJ, CARBON 22K (KV-X2583B)	
R485	1-216-025-00	METAL GLAZE 100 5%	1/10W	< TRANSFORMER >			
R486	1-216-025-00	METAL GLAZE 100 5%	1/10W	T101	1-403-686-11	COIL	
R487	1-216-022-00	METAL GLAZE 75 5%	1/10W	< TUNER >			
R488	1-216-022-00	METAL GLAZE 75 5%	1/10W	TU101	1-693-184-11	TUNER (U944C) (KV-X2582U)	
R489	1-216-022-00	METAL GLAZE 75 5%	1/10W		1-693-185-11	TUNER (UV916H)	
R490	1-216-295-91	METAL GLAZE 0 5%	1/10W			(KV-X2581A/X2583B/X2581D/X2583E/X2581K)	
R491	1-216-295-91	METAL GLAZE 0 5%	1/10W	< CRYSTAL >			
R492	1-216-295-91	METAL GLAZE 0 5%	1/10W	X2	1-579-063-21	VIBRATOR, CERAMIC	
R1001	1-216-049-00	METAL GLAZE 1K 5%	1/10W	X301	1-567-505-11	OSCILLATOR, CRYSTAL	
R1002	1-216-025-00	METAL GLAZE 100 5%	1/10W	X302	1-567-504-11	OSCILLATOR, CRYSTAL	
R1004	1-216-049-00	METAL GLAZE 1K 5%	1/10W	X1001	1-567-495-11	OSCILLATOR, CRYSTAL	
R1008	1-216-085-00	METAL GLAZE 33K 5%	1/10W	X1101	1-579-689-21	VIBRATOR, CRYSTAL	
R1009	1-216-025-00	METAL GLAZE 100 5%	1/10W			(KV-X2583B/X2583E/X2582U)	
R1010	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	*****			
R1011	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	*A-1638-061-A C BOARD, COMPLETE			
R1012	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	*****			
R1014	1-216-025-00	METAL GLAZE 100 5%	1/10W	< CAPACITOR >			
R1015	1-216-025-00	METAL GLAZE 100 5%	1/10W	C702	1-102-824-00	CERAMIC 470PF 5% 50V	
R1016	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C703	1-102-115-91	CERAMIC 560PF 10% 50V	
R1025	1-216-033-00	METAL GLAZE 220 5%	1/10W	C704	1-102-116-00	CERAMIC 680PF 10% 50V	
R1026	1-216-033-00	METAL GLAZE 220 5%	1/10W	C706	1-102-822-00	CERAMIC 390PF 5% 50V	
R1027	1-216-033-00	METAL GLAZE 220 5%	1/10W	C708	1-162-114-00	CERAMIC 0.0047MF 2KV	
R1029	1-216-025-00	METAL GLAZE 100 5%	1/10W	C709	1-102-114-00	CERAMIC 470PF 10% 50V	
R1101	1-216-025-00	METAL GLAZE 100 5%	1/10W	C710	1-107-652-11	ELECT 10MF 20% 250V	
		(KV-X2583B/X2583E/X2582U)		C712	1-102-115-91	CERAMIC 560PF 10% 50V	
R1102	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C714	1-126-952-11	ELECT 1000MF 20% 16V	
		(KV-X2583B/X2583E/X2582U)		C717	1-102-114-00	CERAMIC 470PF 10% 50V	
R1103	1-220-149-11	METAL GLAZE 2.2 10%	1/2W	C718	1-102-114-00	CERAMIC 470PF 10% 50V	
		(KV-X2583B/X2583E/X2582U)		C719	1-102-114-00	CERAMIC 470PF 10% 50V	
R1104	1-216-085-00	METAL GLAZE 33K 5%	1/10W	< CONNECTOR >			
		(KV-X2583B)		CN701	1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
	1-216-097-00	METAL GLAZE 100K 5%	1/10W	CN703	*1-568-882-51	PIN, CONNECTOR 7P	
		(KV-X2582U)		CN705	1-695-915-11	TAB (CONTACT)	
R1105	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	< DIODE >			
		(KV-X2583B)		D701	8-719-110-14	DIODE RD9.1ESB3	
	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	D702	8-719-901-33	DIODE 1SS133	
		(KV-X2582U)		D703	8-719-901-33	DIODE 1SS133	
< R1106 - R1118 FITTED ON >				D704	8-719-901-33	DIODE 1SS133	
< KV-X2583B/X2583E/X2582U >				D705	8-719-901-33	DIODE 1SS133	
R1106	1-216-049-00	METAL GLAZE 1K 5%	1/10W	D706	8-719-901-33	DIODE 1SS133	
R1107	1-216-049-00	METAL GLAZE 1K 5%	1/10W	D707	8-719-901-33	DIODE 1SS133	
R1108	1-216-121-00	METAL GLAZE 1M 5%	1/10W	D708	8-719-901-33	DIODE 1SS133	
R1109	1-216-121-00	METAL GLAZE 1M 5%	1/10W	D709	8-719-901-33	DIODE 1SS133	
R1110	1-220-238-11	METAL GLAZE 10 5%	1/4W	D710	8-719-901-33	DIODE 1SS133	
R1111	1-216-025-00	METAL GLAZE 100 5%	1/10W	D711	8-719-302-43	DIODE EL1Z	
R1112	1-216-025-00	METAL GLAZE 100 5%	1/10W	D713	8-719-901-33	DIODE 1SS133	
R1113	1-216-117-00	METAL GLAZE 680K 5%	1/10W	< CRT SOCKET >			
R1114	1-216-158-00	METAL GLAZE 22 5%	1/8W	*****			
R1115	1-216-121-00	METAL GLAZE 1M 5%	1/10W	*A-1638-061-A C BOARD, COMPLETE			
R1116	1-216-081-00	METAL GLAZE 22K 5%	1/10W	*****			
R1117	1-216-073-00	METAL GLAZE 10K 5%	1/10W	< CAPACITOR >			
R1118	1-220-149-11	METAL GLAZE 2.2 10%	1/2W	C702	1-102-824-00	CERAMIC 470PF 5% 50V	
< RESISTOR NETWORK >				C703	1-102-115-91	CERAMIC 560PF 10% 50V	
RA2	1-236-908-11	RESISTOR, NETWORK (CHIP TYPE)		C704	1-102-116-00	CERAMIC 680PF 10% 50V	
RA3	1-236-908-11	RESISTOR, NETWORK (CHIP TYPE)		C706	1-102-822-00	CERAMIC 390PF 5% 50V	
				C708	1-162-114-00	CERAMIC 0.0047MF 2KV	

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\*A-1638-061-A C BOARD, COMPLETE

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< CAPACITOR >

C702 1-102-824-00 CERAMIC 470PF 5% 50V

C703 1-102-115-91 CERAMIC 560PF 10% 50V

C704 1-102-116-00 CERAMIC 680PF 10% 50V

C706 1-102-822-00 CERAMIC 390PF 5% 50V

C708 1-162-114-00 CERAMIC 0.0047MF 2KV

C709 1-102-114-00 CERAMIC 470PF 10% 50V

C710 1-107-652-11 ELECT 10MF 20% 250V

C712 1-102-115-91 CERAMIC 560PF 10% 50V

C714 1-126-952-11 ELECT 1000MF 20% 16V

C717 1-102-114-00 CERAMIC 470PF 10% 50V

C718 1-102-114-00 CERAMIC 470PF 10% 50V

C719 1-102-114-00 CERAMIC 470PF 10% 50V

< CONNECTOR >

CN701 1-508-768-00 PIN, CONNECTOR (5MM PITCH) 6P

CN703 \*1-568-882-51 PIN, CONNECTOR 7P

CN705 1-695-915-11 TAB (CONTACT)

< DIODE >

D701 8-719-110-14 DIODE RD9.1ESB3

D702 8-719-901-33 DIODE 1SS133

D703 8-719-901-33 DIODE 1SS133

D704 8-719-901-33 DIODE 1SS133

D705 8-719-901-33 DIODE 1SS133

D706 8-719-901-33 DIODE 1SS133

D707 8-719-901-33 DIODE 1SS133

D708 8-719-901-33 DIODE 1SS133

D709 8-719-901-33 DIODE 1SS133

D710 8-719-901-33 DIODE 1SS133

D711 8-719-302-43 DIODE EL1Z


D713 8-719-901-33 DIODE 1SS133


< CRT SOCKET >

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\*A-1638-061-A C BOARD, COMPLETE

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Les composants identifiés par  
une trame et une marque   
sont critiques pour la sécurité.  
Ne les remplacer que par une  
pièce portant le numéro spécifié.

The components identified by  
shading and marked  are critical  
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Replace only with the part number  
specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
< COIL >							
L704	1-408-609-41	INDUCTOR 33UH		C504	1-102-824-00	CERAMIC 470PF	5% 50V
< TRANSISTOR >				C506	1-126-941-11	ELECT 470MF	20% 25V
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE		C507	1-109-953-91	ELECT 2.2MF	20% 50V
Q703	8-729-906-70	TRANSISTOR BF871		C509	1-136-165-00	FILM 0.1MF	5% 50V
Q704	8-729-200-17	TRANSISTOR 2SA1091-0		C510	1-126-969-11	ELECT 220MF	20% 50V
Q705	8-729-119-78	TRANSISTOR 2SC2785-HFE		C511	1-136-202-11	FILM 0.33MF	5% 63V
Q706	8-729-906-70	TRANSISTOR BF871		C513	1-106-220-00	MYLAR 0.1MF	10% 100V
Q707	8-729-200-17	TRANSISTOR 2SA1091-0		C514	1-136-165-00	FILM 0.1MF	5% 50V
Q708	8-729-119-78	TRANSISTOR 2SC2785-HFE		C515	1-126-941-11	ELECT 470MF	20% 25V
Q709	8-729-906-70	TRANSISTOR BF871		C517	1-126-941-11	ELECT 470MF	20% 25V
Q710	8-729-200-17	TRANSISTOR 2SA1091-0		C518	1-102-228-00	CERAMIC 470PF	10% 500V
< RESISTOR >				C519	1-102-228-00	CERAMIC 470PF	10% 500V
R704	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	C520	1-126-941-11	ELECT 470MF	20% 25V
R705	1-202-822-00	SOLID 2.2K 10% 1/2W		C521	1-124-006-11	ELECT 10MF	20% 25V
R706	1-249-409-11	CARBON 220 5% 1/4W		C522	1-126-964-11	ELECT 10MF	20% 50V
R707	1-249-408-11	CARBON 180 5% 1/4W		C523	1-136-165-00	FILM 0.1MF	5% 50V
R709	1-202-844-00	SOLID 330K 10% 1/2W		<del>C600</del>	<del>1-164-503-61</del>	<del>CERAMIC 0.0022MF</del>	<del>20% 400V</del>
R711	1-249-423-11	CARBON 3.3K 5% 1/4W		<del>C601</del>	<del>1-161-964-91</del>	<del>CERAMIC 0.0047MF</del>	<del>250V</del>
R712	1-202-822-00	SOLID 2.2K 10% 1/2W		<del>C602</del>	<del>1-161-964-91</del>	<del>CERAMIC 0.0047MF</del>	<del>250V</del>
R713	1-215-493-00	METAL 1M 1% 1/4W		C603	1-125-318-00	ELECT (BLOCK) 220MF	20% 400V
R714	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	C604	1-124-122-11	ELECT 100MF	20% 50V
R715	1-249-417-11	CARBON 1K 5% 1/4W		C605	1-107-929-11	ELECT 10MF	20% 100V
R716	1-249-409-11	CARBON 220 5% 1/4W		C606	1-162-318-11	CERAMIC 0.001MF	10% 500V
R717	1-249-408-11	CARBON 180 5% 1/4W		C607	1-104-666-11	ELECT 220MF	20% 25V
R718	1-202-814-11	SOLID 33K 10% 1/2W		C608	1-109-880-11	FILM 0.0015MF	3% 2KV
R720	1-249-423-11	CARBON 3.3K 5% 1/4W		C611	1-102-228-00	CERAMIC 470PF	10% 500V
R722	1-202-848-00	SOLID 680K 10% 1/2W		C612	1-104-799-11	ELECT 22MF	20% 100V
R723	1-249-417-11	CARBON 1K 5% 1/4W		C613	1-124-347-00	ELECT 100MF	20% 160V
R724	1-202-846-00	SOLID 470K 10% 1/2W		C614	1-126-804-11	ELECT 100MF	20% 25V
R726	1-202-822-00	SOLID 2.2K 10% 1/2W		C615	1-126-376-11	ELECT 470MF	20% 25V
R727	1-249-409-11	CARBON 220 5% 1/4W		C616	1-110-639-11	ELECT 1000MF	20% 25V
R728	1-216-350-11	METAL OXIDE 1.2 5% 1W	F	C617	1-107-884-11	ELECT 1000MF	20% 16V
R729	1-249-408-11	CARBON 180 5% 1/4W		C618	1-136-165-00	FILM 0.1MF	5% 50V
R731	1-249-423-11	CARBON 3.3K 5% 1/4W		C619	1-102-228-00	CERAMIC 470PF	10% 500V
R732	1-215-479-00	METAL 270K 1% 1/4W		C620	1-102-228-00	CERAMIC 470PF	10% 500V
R734	1-247-807-31	CARBON 100 5% 1/4W		C621	1-136-165-00	FILM 0.1MF	5% 50V
R736	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	C622	1-104-797-11	ELECT 0.47MF	20% 100V
R737	1-215-489-00	METAL 680K 1% 1/4W		C623	1-104-666-11	ELECT 220MF	20% 25V
R739	1-249-417-11	CARBON 1K 5% 1/4W		C624	1-136-165-00	FILM 0.1MF	5% 50V
R741	1-202-549-00	SOLID 100 20% 1/2W		C625	1-126-967-11	ELECT 47MF	20% 50V
< VARIABLE RESISTOR >				C626	1-104-666-11	ELECT 220MF	20% 25V
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M		C627	1-104-666-11	ELECT 220MF	20% 25V
RV702	1-241-656-11	RES, ADJ, METAL FILM 110M		C628	1-126-964-11	ELECT 10MF	20% 50V
*****				C629	1-126-800-51	ELECT 2200MF	20% 25V
*A-1640-169-A D BOARD, COMPLETE				C630	1-126-800-51	ELECT 2200MF	20% 25V
*****				C631	1-126-233-11	ELECT 22MF	20% 50V
4-201-023-01 SPACER, INSULATING				C632	1-104-666-11	ELECT 220MF	20% 25V
4-202-373-01 SPRING, IC				<del>C633</del>	<del>1-107-563-11</del>	<del>FILM 0.1MF</del>	<del>20% 300V</del>
4-202-373-01 SPRING, IC				<del>C634</del>	<del>1-107-563-11</del>	<del>FILM 0.1MF</del>	<del>20% 300V</del>
4-812-134-00 RIVET NYLON, 3.5				<del>C635</del>	<del>1-107-563-11</del>	<del>FILM 0.1MF</del>	<del>20% 300V</del>
< CAPACITOR >				<del>C636</del>	<del>1-164-503-61</del>	<del>CERAMIC 0.0022MF</del>	<del>20% 400V</del>
C502	1-102-824-00	CERAMIC 470PF	5% 50V	C639	1-136-165-00	FILM 0.1MF	5% 50V
C503	1-136-165-00	FILM 0.1MF	5% 50V	C640	1-106-220-00	MYLAR 0.1MF	10% 100V
				C647	1-162-116-00	CERAMIC 680PF	10% 2KV
				C800	1-137-437-11	FILM 0.0056MF	5% 50V
				C801	1-136-153-00	FILM 0.01MF	5% 50V
				C804	1-136-165-00	FILM 0.1MF	5% 50V
				C805	1-106-395-00	MYLAR 0.15MF	10% 200V
				C806	1-108-704-11	MYLAR 0.1MF	10% 200V
				C807	1-136-540-11	FILM 0.82MF	5% 200V



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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C810	1-124-634-11	ELECT	1MF	20%	250V	< DIODE >	
C811	1-102-212-00	CERAMIC	820PF	10%	500V	D500	8-719-109-85 DIODE RD5.1ESB2
C812	1-136-111-00	FILM	1MF	5%	200V	D502	8-719-979-85 DIODE EGP20G
C813	1-129-722-00	FILM	0.047MF	10%	630V	D503	8-719-979-85 DIODE EGP20G
C814	1-136-591-11	FILM	0.017MF	3%	1.4KV	D504	8-719-901-33 DIODE 1SS133
C815	1-136-562-11	MYLAR	0.0082MF	10%	400V	D505	8-719-982-03 DIODE MTZJ-3.6A
C816	1-161-754-00	CERAMIC	0.001MF	10%	2KV	D506	8-719-901-33 DIODE 1SS133
C817	1-161-754-00	CERAMIC	0.001MF	10%	2KV	D507	8-719-109-85 DIODE RD5.1ESB2
C818	1-162-129-00	CERAMIC	150PF	10%	2KV	D600	8-719-510-53 DIODE D4SB60L
C819	1-136-208-11	FILM	0.068MF	10%	250V	D601	8-719-046-77 DIODE EM1-V1
C820	1-102-114-00	CERAMIC	470PF	10%	50V	D603	8-719-109-97 DIODE RD6.8ESB2
C821	1-162-114-00	CERAMIC	0.0047MF	2KV		D604	8-719-046-75 DIODE EU-1-V1
C822	1-107-662-11	ELECT	22MF	20%	250V	D605	8-719-312-61 DIODE EU-1Z
C824	1-123-024-21	ELECT	33MF	160V		D606	8-719-312-61 DIODE EU-1Z
C829	1-124-902-00	ELECT	0.47MF	20%	50V	D607	8-719-046-78 DIODE EG-1Z-V1
C830	1-136-165-00	FILM	0.1MF	5%	50V	D608	8-719-046-75 DIODE EU-1-V1
C832	1-136-173-00	FILM	0.47MF	5%	50V	D609	8-719-301-64 DIODE RU4DS
C834	1-124-916-11	ELECT	22MF	20%	25V	D610	8-719-046-74 DIODE AU-01Z-V1
C835	1-162-318-11	CERAMIC	0.001MF	10%	500V	D611	8-719-302-43 DIODE EL1Z
C836	1-162-117-00	CERAMIC	100PF	10%	500V	D612	8-719-053-64 DIODE RU-3YX-LF-C4
C838	1-102-228-00	CERAMIC	470PF	10%	500V	D613	8-719-045-48 DIODE FML-G12S
C839	1-136-189-00	FILM	0.1MF	10%	250V	D614	8-719-045-48 DIODE FML-G12S
C906	1-126-967-11	ELECT	47MF	20%	50V	D615	8-719-046-75 DIODE EU-1-V1
C908	1-126-967-11	ELECT	47MF	20%	50V	D616	8-719-110-03 DIODE RD7.5ESB2
C909	1-124-903-11	ELECT	1MF	20%	50V	D617	8-719-901-33 DIODE 1SS133
C910	1-137-393-11	FILM	0.01MF	5%	100V	D618	8-719-901-33 DIODE 1SS133
C1200	1-136-165-00	FILM	0.1MF	5%	50V	D619	8-719-901-33 DIODE 1SS133
C1201	1-136-173-00	FILM	0.47MF	5%	50V	D620	8-719-901-33 DIODE 1SS133
C1202	1-136-173-00	FILM	0.47MF	5%	50V	D622	8-719-923-60 DIODE MTZJ-9.1A
C1203	1-136-169-00	FILM	0.22MF	5%	50V	D625	8-719-901-33 DIODE 1SS133
C1204	1-136-169-00	FILM	0.22MF	5%	50V	D626	8-719-046-74 DIODE AU-01Z-V1
C1205	1-101-005-00	CERAMIC	0.022MF	50V		D800	8-719-901-33 DIODE 1SS133
C1206	1-101-005-00	CERAMIC	0.022MF	50V		D801	8-719-901-33 DIODE 1SS133
C1207	1-126-933-11	ELECT	100MF	20%	16V	D802	8-719-901-33 DIODE 1SS133
C1208	1-124-927-11	ELECT	4.7MF	20%	50V	D803	8-719-908-03 DIODE GP08D
C1209	1-124-927-11	ELECT	4.7MF	20%	50V	D807	8-719-302-43 DIODE EL1Z
C1210	1-124-925-11	ELECT	2.2MF	20%	50V	D808	8-719-908-03 DIODE GP08D
C1211	1-124-925-11	ELECT	2.2MF	20%	50V	D809	8-719-018-82 DIODE RGP02-20E
C1214	1-126-933-11	ELECT	100MF	20%	16V	D810	8-719-302-43 DIODE EL1Z
C1215	1-136-173-00	FILM	0.47MF	5%	50V	D812	8-719-038-49 DIODE FMS-3FU-LF027-103
C1216	1-137-366-11	FILM	0.0022MF	5%	50V	D815	8-719-908-03 DIODE GP08D
C1217	1-137-366-11	FILM	0.0022MF	5%	50V	D817	8-719-109-89 DIODE RD5.6ESB2
C1218	1-126-934-11	ELECT	220MF	20%	16V	D902	8-719-923-60 DIODE MTZJ-9.1A
< CONNECTOR >							
CN801	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P				D903	8-719-923-60 DIODE MTZJ-9.1A
CN802	*1-695-292-11	PIN, CONNECTOR (POWER)				D904	8-719-923-60 DIODE MTZJ-9.1A
CN800	*1-580-798-11	CONNECTOR PIN (DY) 6P				D905	8-719-923-60 DIODE MTZJ-9.1A
CN803	1-695-915-11	TAB (CONTACT)				D906	8-719-923-60 DIODE MTZJ-9.1A
CN804	1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P				D1201	8-719-109-72 DIODE RD3.9ESB2
CN807	1-568-878-51	PIN, CONNECTOR 3P				< FERRITE BEAD >	
CN901	*1-564-520-11	PLUG, CONNECTOR 5P				FB600	1-410-397-21 FERRITE BEAD INDUCTOR 1.1UH
CN902	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P				FB601	1-410-397-21 FERRITE BEAD INDUCTOR 1.1UH
CN903	*1-564-516-11	PLUG, CONNECTOR 13P				FB602	1-410-397-21 FERRITE BEAD INDUCTOR 1.1UH
CN904	*1-564-509-11	PLUG, CONNECTOR 6P				FB604	1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
CN904	*1-568-881-51	PIN, CONNECTOR 6P				FB605	1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
CN905	*1-564-506-11	PLUG, CONNECTOR 3P				FB606	1-410-397-21 FERRITE BEAD INDUCTOR 1.1UH
CN905	*1-568-878-51	PIN, CONNECTOR 3P				FB607	1-410-397-21 FERRITE BEAD INDUCTOR 1.1UH
CN1200	*1-568-879-11	PIN, CONNECTOR 4P					
CN1201	*1-568-878-51	PIN, CONNECTOR 3P					



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D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
< IC >							
IC500	8-759-192-71	IC STV9379		Q1201	8-729-900-74	TRANSISTOR DTC143TS	
IC600	8-749-010-84	IC STR-S6708		Q1202	8-729-900-80	TRANSISTOR DTC114ES	
IC601 $\Delta$	8-749-924-92	IC TLP721(D4)-GR		Q1203	8-729-900-74	TRANSISTOR DTC143TS	
IC602	8-749-920-61	IC SE135N		Q1204	8-729-900-74	TRANSISTOR DTC143TS	
IC603	8-759-144-82	IC $\mu$ PC2405HF		< RESISTOR >			
IC604	8-759-250-63	IC TL750L05CLPR		R500	1-215-457-00	METAL 33K 1%	1/4W
IC605	8-759-231-58	IC TA7812S		R502	1-249-421-11	CARBON 2.2K 5%	1/4W
IC606	8-759-267-25	IC LM2940T-9.0		R503	1-249-429-11	CARBON 10K 5%	1/4W
IC800	8-759-103-93	IC $\mu$ PC393C		R504	1-215-461-00	METAL 47K 1%	1/4W
IC1200	8-759-250-68	IC TDA7264		R505	1-249-382-11	CARBON 1.2 5%	1/4W F
IC1201	8-759-502-21	IC TDA2822M		R506	1-215-441-00	METAL 6.8K 1%	1/4W
< COIL >				R507	1-215-888-00	METAL OXIDE 220 5%	2W F
L502	1-412-519-11	INDUCTOR 3.3UH		R508	1-216-371-00	METAL OXIDE 1.5 5%	2W F
L503	1-412-519-11	INDUCTOR 3.3UH		R509	1-249-443-11	CARBON 0.47 5%	1/4W F
L609	1-412-533-21	INDUCTOR 47UH		R510	1-249-443-11	CARBON 0.47 5%	1/4W F
L611	1-412-527-11	INDUCTOR 15UH		R517	1-215-427-00	METAL 1.8K 1%	1/4W
L612	1-412-522-41	INDUCTOR 5.6UH		R518	1-215-427-00	METAL 1.8K 1%	1/4W
L613	1-412-522-41	INDUCTOR 5.6UH		R520	1-215-457-00	METAL 33K 1%	1/4W
L801	1-459-111-00	COIL, DRAM CORE (CDI)		R521	1-215-461-00	METAL 47K 1%	1/4W
L802	1-459-104-00	COIL, WITH CORE		R522	1-247-863-91	CARBON 22K 5%	1/4W
L803	1-420-872-00	COIL, AIR CORE		R523	1-247-863-91	CARBON 22K 5%	1/4W
L804	1-406-903-11	COIL, HORIZONTAL LINEARITY		R524	1-249-425-11	CARBON 4.7K 5%	1/4W
L805	1-406-675-11	COIL, CHOKE 4.7MMH		R525	1-249-425-11	CARBON 4.7K 5%	1/4W
L809	1-412-533-21	INDUCTOR 47UH		R526	1-249-421-11	CARBON 2.2K 5%	1/4W
< TRANSFORMER >				R527	1-215-434-00	METAL 3.6K 1%	1/4W
LF600 $\Delta$	1-421-776-21	LFT		R528	1-259-880-11	CARBON 2.2M 5%	1/4W
LF601 $\Delta$	1-421-776-21	LFT		R529	1-247-895-00	CARBON 470K 5%	1/4W
TF01 $\Delta$	1-427-900-11	SRT		R600	1-216-490-11	METAL OXIDE 39K 5%	3W F
T800	1-421-794-21	TRANSFORMER, FERRITE (PMT)		R601	1-249-417-11	CARBON 1K 5%	1/4W
T803 $\Delta$	1-453-169-11	TRANSFORMER ASSY, FLYBACK (UX-1604A2)		R603	1-215-875-11	METAL OXIDE 10K 5%	1W F
T804	1-437-090-00	HDT		R604	1-249-420-11	CARBON 1.8K 5%	1/4W
< IC LINK >				R605	1-216-362-11	METAL OXIDE 0.27 5%	2W F
PS600 $\Delta$	1-532-686-91	LINK, IC 2.7A (ICP-F75)		R607	1-216-421-11	METAL OXIDE 12 5%	1W F
PS601 $\Delta$	1-532-686-91	LINK, IC 2.7A (ICP-F75)		R608	1-216-365-00	METAL OXIDE 0.47 5%	2W F
PS602 $\Delta$	1-532-686-91	LINK, IC 2.7A (ICP-F75)		R610	1-215-421-00	METAL 1K 1%	1/4W
PS603 $\Delta$	1-532-686-91	LINK, IC 2.7A (ICP-F75)		R611	1-215-859-00	METAL OXIDE 22 5%	1W F
PS801 $\Delta$	1-532-605-91	LINK, IC 0.4A (ICP-F10)		R612	1-249-428-11	CARBON 8.2K 5%	1/4W
< TRANSISTOR >				R613	1-249-417-11	CARBON 1K 5%	1/4W
Q501	8-729-119-78	TRANSISTOR 2SC2785-HFE		R614	1-215-877-11	METAL OXIDE 22K 5%	1W F
Q502	8-729-173-38	TRANSISTOR 2SA733-K		R615	1-249-435-11	CARBON 33K 5%	1/4W
Q503	8-729-900-89	TRANSISTOR DTC144ES		R616	1-215-479-00	METAL 270K 1%	1/4W
Q601	8-729-025-04	TRANSISTOR 2SC3852A		R617	1-215-901-00	METAL OXIDE 33K 5%	2W F
Q602	8-729-320-28	TRANSISTOR 2SA1667		R618	1-247-863-91	CARBON 22K 5%	1/4W
Q603	8-729-027-08	TRANSISTOR 2SC2389STP-R		R619	1-216-425-11	METAL OXIDE 56 5%	1W F
Q604	8-729-024-35	TRANSISTOR 2SC2808STP-R		R620	1-247-895-00	CARBON 470K 5%	1/4W
Q605	8-729-119-78	TRANSISTOR 2SC2785-HFE		R621	1-216-425-11	METAL OXIDE 56 5%	1W F
Q606	8-729-900-65	TRANSISTOR DTA144ES		R622	1-249-437-11	CARBON 47K 5%	1/4W
Q607	8-729-119-78	TRANSISTOR 2SC2785-HFE		R623	1-249-429-11	CARBON 10K 5%	1/4W
Q800	8-729-119-78	TRANSISTOR 2SC2785-HFE		R624	1-249-405-11	CARBON 100 5%	1/4W F
Q801	8-729-017-06	TRANSISTOR 2SC4793		R625	1-249-434-11	CARBON 27K 5%	1/4W
Q802	8-729-016-32	TRANSISTOR 2SC4927-01		R626	1-249-430-11	CARBON 12K 5%	1/4W
Q803	8-729-119-80	TRANSISTOR 2SC2688-LK		R628	1-249-415-11	CARBON 680 5%	1/4W F
Q805	8-729-900-89	TRANSISTOR DTC144ES		R629 $\Delta$	1-244-945-91	CARBON 1M 5%	1/2W
Q1200	8-729-119-78	TRANSISTOR 2SC2785-HFE		R630 $\Delta$	1-218-265-21	METAL 8.2M 5%	1W
				R631 $\Delta$	1-205-949-11	WIREWOUND 1.8 5%	1W
				R632	1-247-807-31	CARBON 100 5%	1/4W
				R633	1-247-807-31	CARBON 100 5%	1/4W
				R634	1-249-397-11	CARBON 22 5%	1/4W F
				R635	1-249-437-11	CARBON 47K 5%	1/4W
				R636	1-249-417-11	CARBON 1K 5%	1/4W

D


H1


H2

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R637	1-249-409-11	CARBON 220 5%	1/4W	R1211	1-249-424-11	CARBON 3.9K 5%	1/4W
R638	1-247-863-91	CARBON 22K 5%	1/4W	R1212	1-249-424-11	CARBON 3.9K 5%	1/4W
R639	1-215-435-00	METAL 3.9K 1%	1/4W	R1213	1-249-421-11	CARBON 2.2K 5%	1/4W
R642	1-205-949-11	WIREWOUND 1.8 5%	10W	R1216	1-249-413-11	CARBON 470 5%	1/4W
R644	1-247-807-31	CARBON 100 5%	1/4W	R1217	1-249-425-11	CARBON 4.7K 5%	1/4W
R645	1-249-422-11	CARBON 2.7K 5%	1/4W	< VARIABLE RESISTOR >			
R646	1-249-377-11	CARBON 0.47 5%	1/4W F	RV301	1-238-552-11	RES, ADJ, CARBON 470K	
R647	1-202-933-61	FUSIBLE 0.1 10%	1/2W F	< RELAY >			
R648	1-216-397-11	METAL OXIDE 4.7 5%	3W F	RY600	1-755-018-11	RELAY	
R800	1-249-421-11	CARBON 2.2K 5%	1/4W	< SPARK GAP >			
R801	1-249-429-11	CARBON 10K 5%	1/4W	SG801	1-519-422-11	GAP, SPARK	
R802	1-249-431-11	CARBON 15K 5%	1/4W	< THERMISTOR >			
R803	1-249-426-11	CARBON 5.6K 5%	1/4W	THP500	1-609-827-11	THERMISTOR, POSITIVE	
R804	1-249-430-11	CARBON 12K 5%	1/4W	*****			
R805	1-249-425-11	CARBON 4.7K 5%	1/4W	*1-656-732-11	H1 BOARD		
R809	1-247-901-11	CARBON 820K 5%	1/4W	*****			
R812	1-249-421-11	CARBON 2.2K 5%	1/4W	< CAPACITOR >			
R813	1-215-869-11	METAL OXIDE 1K 5%	1W F	C900	1-101-810-00	CERAMIC 100PF 5%	500V
R814	1-249-411-11	CARBON 330 5%	1/4W	C901	1-101-810-00	CERAMIC 100PF 5%	500V
R816	1-215-918-00	METAL OXIDE 1.5K 5%	3W F	C902	1-137-372-11	FILM 0.022MF 5%	50V
R817	1-215-918-00	METAL OXIDE 1.5K 5%	3W F	C903	1-137-372-11	FILM 0.022MF 5%	50V
R818	1-215-882-00	METAL OXIDE 22 5%	2W F	C907	1-124-903-11	ELECT 1MF 20%	50V
R819	1-216-345-11	METAL OXIDE 0.47 5%	1W F	< CONNECTOR >			
R820	1-249-403-11	CARBON 68 5%	1/4W	CN900	1-568-678-11	TERMINAL BLOCK, S 3P	
R821	1-215-909-11	METAL OXIDE 47 5%	3W F	CN906	*1-564-516-11	PLUG, CONNECTOR 13P	
R822	1-215-868-00	METAL OXIDE 680 5%	1W F	< SOCKET >			
R824	1-249-420-11	CARBON 1.8K 5%	1/4W	J900	1-764-606-11	JACK	
R826	1-247-752-11	CARBON 1K 5%	1/2W	< COIL >			
R827	1-249-425-11	CARBON 4.7K 5%	1/4W	L900	1-408-409-00	INDUCTOR 10UH	
R828	1-247-863-91	CARBON 22K 5%	1/4W	L901	1-408-409-00	INDUCTOR 10UH	
R829	1-249-493-11	CARBON 56K 5%	1/2W	L902	1-408-409-00	INDUCTOR 10UH	
R830	1-217-778-11	FUSIBLE 1K 5%	1W F	L903	1-408-409-00	INDUCTOR 10UH	
R833	1-249-421-11	CARBON 2.2K 5%	1/4W F	< RESISTOR >			
R836	1-249-439-11	CARBON 68K 5%	1/4W	R905	1-247-804-11	CARBON 75 5%	1/4W
R837	1-249-430-11	CARBON 12K 5%	1/4W	R906	1-247-804-11	CARBON 75 5%	1/4W
R840	1-247-807-31	CARBON 100 5%	1/4W	R909	1-249-437-11	CARBON 47K 5%	1/4W
R841	1-249-418-11	CARBON 1.2K 5%	1/4W	R910	1-249-437-11	CARBON 47K 5%	1/4W
R842	1-249-441-11	CARBON 100K 5%	1/4W	R915	1-247-791-91	CARBON 22 5%	1/4W
R843	1-247-903-00	CARBON 1M 5%	1/4W	*****			
R846	1-249-441-11	CARBON 100K 5%	1/4W	*1-656-733-11	H2 BOARD		
R847	1-247-891-00	CARBON 330K 5%	1/4W	*****			
R848	1-247-887-00	CARBON 220K 5%	1/4W	< CAPACITOR >			
R849	1-249-429-11	CARBON 10K 5%	1/4W	C904	1-124-910-11	ELECT 47MF 20%	50V
R850	1-249-425-11	CARBON 4.7K 5%	1/4W	C905	1-124-907-11	ELECT 10MF 20%	50V
R851	1-215-898-11	METAL OXIDE 10K 5%	2W F				
R852	1-249-432-11	CARBON 18K 5%	1/4W				
R901	1-202-539-00	SOLID 39 10%	1/2W				
R902	1-202-539-00	SOLID 39 10%	1/2W				
R907	1-247-804-11	CARBON 75 5%	1/4W				
R916	1-247-791-91	CARBON 22 5%	1/4W				
R917	1-247-791-91	CARBON 22 5%	1/4W				
R1200	1-249-425-11	CARBON 4.7K 5%	1/4W				
R1201	1-249-434-11	CARBON 27K 5%	1/4W				
R1202	1-249-393-11	CARBON 10 5%	1/4W F				
R1203	1-249-421-11	CARBON 2.2K 5%	1/4W				
R1204	1-249-421-11	CARBON 2.2K 5%	1/4W				
R1205	1-249-428-11	CARBON 8.2K 5%	1/4W				
R1206	1-249-428-11	CARBON 8.2K 5%	1/4W				
R1208	1-212-849-00	FUSIBLE 4.7 5%	1/4W F				
R1209	1-212-849-00	FUSIBLE 4.7 5%	1/4W F				

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H2

H3

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
< CONNECTOR >				ACCESSORIES AND PACKING MATERIALS			
CN907	*1-564-509-11	PLUG, CONNECTOR 6P		*****			
< DIODE >				4-039-906-01	BAG, PROTECTION		
D901	8-719-030-11	DIODE SLA-570KT3F		4-042-126-01	CUSHION (UPPER) (ASSY)		
	4-202-707-01	HOLDER, LED (D901)		4-042-127-01	CUSHION (LOWER) (ASSY)		
< IC >				4-042-128-01	INDIVIDUAL CARTON		
IC900	8-741-790-11	IC SBX1790		4-202-955-11	MANUAL, INSTRUCTION (KV-X2581D)		
< RESISTOR >					(DUTCH/ENGLISH/GERMAN/GREEK/TURKISH)		
R900	1-249-409-11	CARBON	220 5% 1/4W	4-202-955-41	MANUAL, INSTRUCTION (KV-X2581A)		
R908	1-249-401-11	CARBON	47 5% 1/4W		(ITALIAN)		
*****				4-202-955-51	MANUAL, INSTRUCTION (KV-X2583B)		
	*1-656-734-11	H3 BOARD			(FRENCH/GERMAN/ITALIAN)		
		*****		4-202-955-61	MANUAL, INSTRUCTION (KV-X2582U)		
< CONNECTOR >					(ENGLISH)		
CN908	1-564-506-11	PLUG, CONNECTOR 3P		4-202-955-71	MANUAL, INSTRUCTION (SET.E) (KV-X2583E)		
< RESISTOR >					(DANISH/DUTCH/FINISH/FRENCH/GERMAN/ NORWEGIAN/PORTUGUESE/SPANISH/SWEDISH)		
R911	1-249-423-11	CARBON	3.3K 5% 1/4W	4-202-955-81	MANUAL, INSTRUCTION (SET.G) (KV-X2583E)		
R912	1-249-429-11	CARBON	10K 5% 1/4W		(DANISH/DUTCH/FINISH/FRENCH/GERMAN/ NORWEGIAN/PORTUGUESE/SPANISH/SWEDISH)		
R913	1-249-423-11	CARBON	3.3K 5% 1/4W	4-202-955-91	MANUAL, INSTRUCTION (KV-X2581K)		
R914	1-249-429-11	CARBON	10K 5% 1/4W		(BULGARIAN/CZECHOSLOVAKIAN/ENGLISH/ HUNGARIAN/POLISH/ROSSIAN)		
< SWITCH >				REMOTE COMMANDER			
S900	1-692-979-11	SWITCH, TACTILE		*****			
S901	1-692-979-11	SWITCH, TACTILE		1-467-706-11	COMMANDER, STANDARD TYPE (RM-833)		
S902	1-692-979-11	SWITCH, TACTILE		*****			
*****							
MISCELLANEOUS							
*****							
* 1-406-806-21 COIL, DEGAUSSING							
1-452-032-00 MAGNET, DISK; 10MM Ø							
1-452-094-00 MAGNET, ROTATABLE DISK; 15MM Ø							
* 1-453-169-11 TRANSFORMER ASSY, FLYBACK (UX-1604A2)							
1-504-819-11 SPEAKER							
* 1-571-433-11 SWITCH, PUSH (AC POWER)							
* 1-590-450-11 CORD, POWER (WITH CONNECTOR)							
(KV-X2581E/X2583E/X2581K)							
* 1-590-752-11 CORD, POWER (WITH PLUG) (KV-X2582U)							
* 1-751-680-11 CORD, POWER (WITH NOISE FILTER)							
(KV-X2581A/X2581D)							
1-693-184-11	TUNER (U944C) (KV-X2582U)						
1-693-185-11	TUNER (UV916H) (EXCEPT KV-X2582U)						
* 8-451-404-21	DEFLECTION YOKK (Y250XA)						
9301 * 8-733-239-05	PICTURE TUBE (SD-257) (M60LCH60X)						